

**FIRST AMENDMENT TO CONSULTANT SERVICES CONTRACT
BETWEEN THE CITY OF WATSONVILLE
AND MNS ENGINEERS, INC.**

THIS FIRST AMENDMENT TO CONTRACT for consultant services is entered into by and between the **City of Watsonville** ("City") and **MNS Engineers, Inc.** ("Consultant") this day of _____. The City and Consultant agree as follows:

RECITALS

WHEREAS, on November 30, 2021, the City Council adopted Resolution No. 309-21 (CM) awarding a Consultant Services Contract to MNS Engineers, Inc. for Design Services for the Poppy Hill Booster Pump Station Improvements Project, No. WA-21-14830; and

WHEREAS, the original contract was in the amount of \$124,638 with an expiration date of December 31, 2023; and

WHEREAS, a Request for Proposals (RFP) was issued on May 5, 2020, asking for qualified consultants to assist the City for periodic and on call Water and Wastewater professional design services; and

WHEREAS, a number of firms submitted qualification statements; these statements were reviewed by City staff and a list was developed; and

WHEREAS, MNS Engineers, Inc. is on the list of eligible consultants for the Design Services for the Poppy Hill Booster Pump Station Improvements Project, No. WA-21-14830; and

WHEREAS, the City has added additional tasks to the work program of the Consultant causing additional cost and time to the project completion; and

WHEREAS, the First Amendment of the Contract for Consultant Services is in the best interest of the City of Watsonville.

NOW, THEREFORE, the City and the Consultant agree that the Contract shall be amended as follows:

Section 1 is hereby amended to add the following:

"Section 1. Scope of Services. In addition to the performance of those services specified in detail in Exhibit "A" of the Contract, Consultant shall perform the additional services specified in detail in Exhibit "1," entitled FIRST AMENDMENT TO SCOPE OF SERVICES, which is attached hereto and incorporated herein."

Section 2 is hereby amended to read:

"Section 2. Term of Contract and Exhibit "B", Schedule of Performance are hereby amended to extend to June 30, 2026."

Section 4 is hereby amended to read:

"Section 4 and Exhibit "C", both entitled "Compensation" of the Contract, are hereby amended to provide an additional amount of compensation of Twelve Thousand Nine Hundred Ninety-Two Dollars (\$12,992) for professional services."

All other terms and conditions of the Contract dated November 18, 2021, as amended, shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this First Amendment to Consultant Services Contract the day and year first hereinabove written.

CITY OF WATSONVILLE

MNS ENGINEERS, INC.

By _____
Rene Mendez, City Manager

DocuSigned by:
Nick Panofsky
By _____
9DBDE7EFAE424B0
Nick Panofsky, PE & Vice President

ATTEST:

By _____
Irwin I. Ortiz, City Clerk

APPROVED AS TO FORM:

By _____
Samantha W. Zutler, City Attorney

EXHIBIT "1"

FIRST AMENDMENT TO SCOPE OF SERVICES

The scope of services is as follows:

As described in the March 18, 2024, letter from Nick Panofsky to Douglas Fraser concerning the proposal for Professional Engineering Services for the Poppy Hill Booster Pump Station Upgrade Project.

See attachment labeled **EXHIBIT "1"**.



El Capitan Way, Suite 130 | San Luis Obispo, CA 93401

805.787.0326 OFFICE

mnsengineers.com

March 18, 2024

City of Watsonville
Public Works & Utilities
Attention: Douglas Frasier, Principal Engineer
250 Main Street Watsonville, CA 95076

**SUBJECT: Proposal for Professional Engineering Services – Poppy Hill
 Booster Pump Station Upgrade Project**

Dear Mr. Fraser:

Thank you for the opportunity to submit this proposal to provide professional engineering services for the Poppy Hill Booster Pump Station Upgrade Project (Project) for the City of Watsonville (City). MNS Engineers, Inc. (MNS) offers our qualified team to provide professional services for this Project.

Project Understanding

The Poppy Hill booster pump station conveys potable water from Zone 4 to Zone 4A, which serves approximately 20 residences in the Poppy Hill neighborhood in the unincorporated community of Corralitos. The existing booster pump station is equipped with two identical pumps, with nameplate capacities of 75 gallons per minute (gpm). A hydropneumatic tank assists in maintaining system pressure, located on a separate site at higher elevation. A trailer mounted generator currently provides back-up power to the pump station.

The existing pump station is aging and will be upgraded to extend the facility's service life. This Project will provide final engineering design for the pump station upgrade. The pump station upgrade will include demolition of the existing mechanical and electrical equipment and replacement with new equipment including pumps and pump pedestal, new permanent backup generator, full reconstruction of the existing electrical system including new automatic transfer switch (ATS), motor control center (MCC), and programmable logic controller (PLC) with local human machine interface (HMI). It is assumed that the pump station hydraulic conditions will remain the same and that the existing pumps will be replaced with new pumps based on the current duty point.

During construction, the existing pump station is required to remain in service, except for short-duration shutdowns during low flow conditions. The City has also requested a new Pacific Gas and Electric (PG&E) company electric service with a local outdoor receptacle be provided at the hydropneumatic tank site.

MNS previously initiated work to modify this facility under separate contract to increase available flow. The value of prior work will be maximized to the extent feasible.

Scope of Work

MNS proposes to perform the Scope of Work described herein to provide final engineering design services for the Project. A description of tasks and responsibilities is described as follows.

MNS DETAILS

LEGAL NAME

MNS Engineers, Inc.

FIRM OWNERSHIP TYPE

C-Corporation

YEAR FIRM ESTABLISHED

1962

CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS

DIR No. 1000003564

CORPORATE OFFICE

201 N. Calle Cesar Chavez,
Suite 300

Santa Barbara, CA 93103

805.692.6921 Office/Fax

mnsengineers.com

LOCAL OFFICE

811 El Capitan Way #130, San
Luis Obispo, CA 93401

(805) 787-0326

PROJECT CONTACT/ AUTHORIZED SIGNATURE

Nick Panofsky, PE

Vice President

(805) 722-2734

npanofsky@mnsengineers.com



Task 1 – Project Management, Quality Assurance/Quality Control, and Meetings

This task includes project management, quality assurance/quality control (QA/QC), and meetings associated with the Project.

Subtask 1.1 – Project Management

The Project Manager, Nick Panofsky, will provide ongoing coordination of the Project team including the City, subconsultants, and the internal project team. Nick will monitor the budget and serve as the main point of contact with the City. Regular phone calls and e-mail updates will be sent from the Project Manager to the City's Project Manager to keep coordination open and up-to-date. The MNS Contract/Program Manager will submit monthly invoices with all supporting documentation in a format acceptable to the City.

The MNS Project Manager is responsible for ensuring all deliverable deadlines are met, all internal quality control reviews are completed, and the final products meet the expectations of the City.

Subtask 1.2 – Quality Assurance/Quality Control

In accordance with MNS company policy, all deliverables, calculations, recommendations, and other documentation will be reviewed by an experienced engineer, not otherwise associated with the Project, prior to submittal to the City. Documents will be reviewed to ensure technical excellence, the goals and expectations of the City are being met, and conformance with applicable design checklists and standards. For this project, all deliverables and other items requiring quality control reviews will be reviewed by Tyler Hunt, PE.

Subtask 1.3 – Meetings

Over the course of the Project, MNS will facilitate and lead meetings and conference calls as required to move the Project forward and ensure the City is informed and in concurrence with the progress of the Project. For each meeting, MNS will develop a meeting agenda for the kick-off meeting, and will submit meeting minutes to the City within five business days. We anticipate four meetings, which will occur virtually except for the site visit:

- Project Kick-off Meeting
- 30% Design Review Meeting and Site Visit
- 60% Design Review Meeting
- 90% Design Review Meeting

The MNS Project Manager and the Project Engineer will attend each meeting.

Deliverables:

- Kick-off Meeting Agendas and Minutes

Task 2 – Contract Document Development

MNS will develop a set of contract documents describing the work to be completed and an accompanying Engineer's Opinion of Probable Construction Cost for the Project.

Plans

MNS will prepare detailed drawings for the Project clearly defining the work to be completed. Plans will be prepared in the latest version of AutoCAD Civil 3D.

An anticipated sheet list includes:



Sheet No.	Drawing No.	Description
1	G-01	Title Sheet, Sheet List, and Location Map
2	G-02	General Notes, Legend and Abbreviations
3	C-01	Site Plan, Demolition Plan and Basis of Bearings
4	C-02	Piping Plan and Details
5	C-03	Piping and Miscellaneous Details
6	C-04	Conceptual Bypassing Plan
7	E-01	Electrical Notes, Symbols, and Abbreviations
8	E-02	Electrical Site Plan
9	E-03	Single Line Diagram
10	E-04	Electrical Details
11	E-05	Electrical Details
12	I-01	Instrumentation and Control Legend and Abbreviation
13	I-02	Process and Instrumentation Control Diagram
14	S-01	Structural Notes and Special Inspection
15	S-02	Structural Details 1
16	S-03	Structural Details 2

Specifications

Specifications will be prepared based on the City's front end document template. Technical specifications will be provided in CSI format with the 90% and Final deliverables.

Subtask 2.1 – 30% Design

A 30% design will initially be developed for review and discussion including a demolition plan, proposed equipment, equipment placement, piping plan, and proposed method for maintaining services during construction. The 30% design will be submitted to the City for review and discussion. A site visit following the 30% design submittal will be held as described in Subtask 1.3 to review the concepts and confirm the site layout.

Subtask 2.2 – 60% Design

60% design plans, including additional details not included in the 30% design and associated construction cost opinion will be developed and submitted for City review. Following the 60% design submittal, MNS will lead a design review meeting as described in Subtask 1.3 to discuss the City's comments. We will provide a comment/response matrix with the 60% design submittal documenting how each comment on the 30% design submittal has been addressed.

Subtask 2.3 – 90% Design

90% design plans, specifications, and construction cost opinion (PS&E) will be advanced to be substantially complete and submitted for City review. We will provide a comment/response matrix with the 90% design submittal documenting how each comment on the 60% design submittal has been addressed.

Subtask 2.4 – Final Design

The Project PS&E will be finalized and submitted to the City. We will provide a comment/response matrix with the final design submittal documenting how each comment on the 90% design submittal has been addressed. Final design documents will be stamped by Professional Engineer's registered in the State of California in their respective disciplines. We will provide electronic documents upon completion of the work. Electronic formats will include images prepared in Adobe PDF format and also electronic files compatible with Microsoft Word and Excel, and AutoCAD, if requested.

**Deliverables:**

- Comment/Response Matrices
- 30% and 60% Plans and Cost Opinion, 90% PS&E, and Final PS&E Design Package

Task 3 – Hydropneumatic Tank Electrical Service

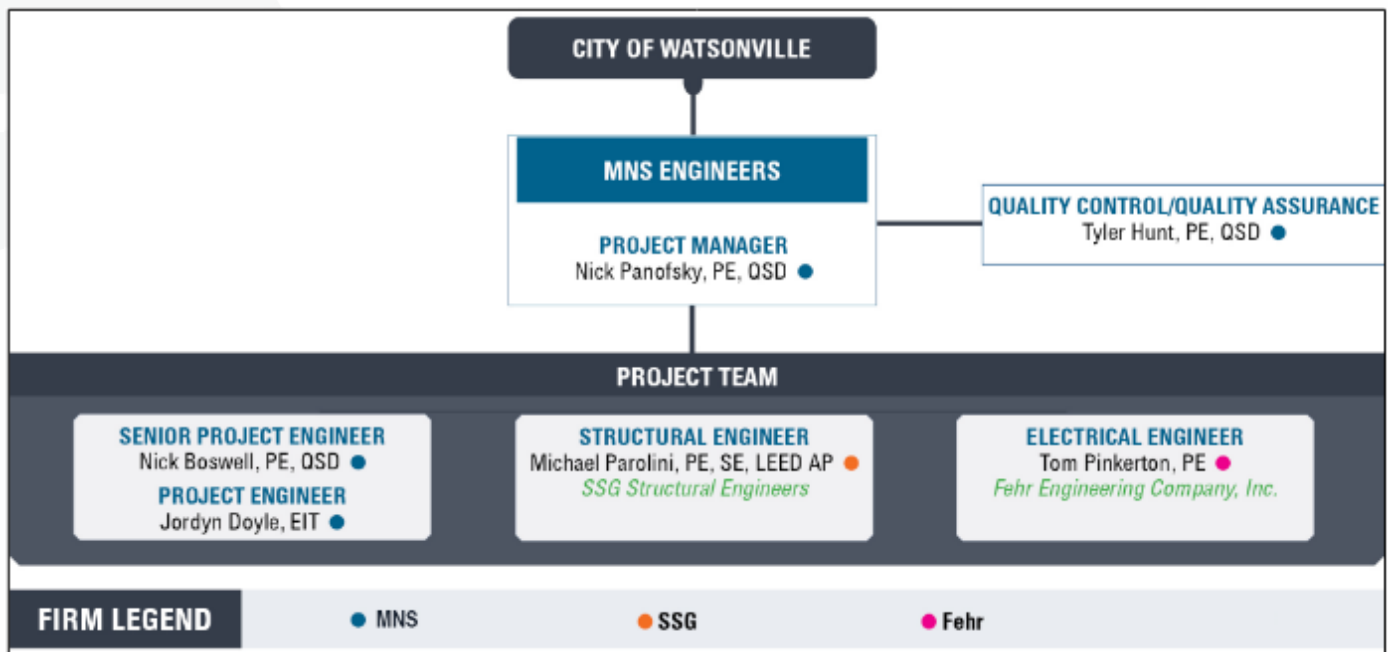
A new PG&E electrical service at the hydropneumatic tank site will be obtained, and design provisions incorporated into the contract documents developed in Task 2 to include the addition of the electrical service and outdoor 110v receptacles.

Task 4 – Additional Engineering Services

This task has been established to provide additional services on an as-needed basis, which may arise over the course of the Project. Additional services may include additional design support, permitting support, and engineering support services during bid and construction. Budget associated with this task will not be utilized without written authorization from the City. Work will be completed on a mutually agreeable schedule.

Project Team

MNS has assembled a qualified team with the skills and expertise to bring this Project to completion in-line with the City' goals. MNS will be supported by Fehr Engineering (Fehr) to provide electrical engineering support, and SSG Structural Engineers (SSG) to provide structural engineering support. An organizational chart for key personnel on the Project team is presented as follows.

**Assumptions**

We have included the following assumptions in preparation of this proposal:

- The new generator will be installed within the existing fenced pump station site.
- No geotechnical engineering will be required.
- Contacting other utility owners to obtain record information will not be required.



- Replacement pumps will utilize across-the-line start and soft starts. VFDs will not be provided.
- Replacement pumps will be selected with the same duty point as the existing pumps. Detailed hydraulic analysis is excluded from the work.
- Existing SCADA features of the pump station will remain in kind to monitor and control the new pump station equipment remotely.
- Performance of a radio survey is excluded. Replacement of the radio antennae will match existing conditions.

Proposed Schedule

We are prepared to meet or exceed the schedule provided in the following tables, assuming a Notice to Proceed date of April 1, 2024.

Milestone	Date
NTP	April 1, 2024
30% Design Submittal	May 30, 2024
City Review	2 Weeks
60% Design Submittal	July 30, 2024
City Review	2 Weeks
90% Design Submittal	September 20, 2024
City Review	2 Weeks
Final Design Submittal	October 30, 2022

Fees

MNS proposes to perform the services described herein for a not-to-exceed fee estimate of **\$116,777**. A breakdown by task is provided in the following table. A detailed fee proposal spreadsheet is provided as an attachment. All fees are in accordance with the MNS rate schedule included in the MNS Periodic and On-Call Water and Wastewater Professional Design Services Contract, with annual escalation.

Task	Fee
Task 1 – Project Management, Quality Assurance/Quality Control, and Meetings	\$13,432
Task 2 – Contract Document Development	\$77,555
Task 3 – Hydropneumatic Tank Electrical Service	\$5,790
Task 4 – Additional Engineering Services	\$20,000
Total	\$116,777



Closing

Thank you for the opportunity to submit this proposal. We are excited and look forward to continuing to work with The City. Please feel free to contact me with any questions you may have about our submittal at 805.592.2074 or npanofsky@mnsengineers.com. Thank you for your consideration.

Sincerely,
MNS Engineers, Inc.

A handwritten signature in black ink, appearing to read "Nick Panofsky", written over a light grey background.

Nick Panofsky, PE
Vice President, Water Resources

Attachments:

Fee Estimate Spreadsheet
Subconsultant Proposals

City of Watsonville
Poppy Hill Booster Pump Station



	ENGINEERING							Total Resource Hours	Total Hours*Rates	SUBCONSULTANTS			Reimbursable Expenses	MNS Engineers	Reimbursable Expense Costs	Summary	Total MNS Resource Costs	Total Subconsultant Costs & All Reimbursable Expenses With 15% Markup	Total	
	On-Call Rate	Principal Engineer - NEP	Principal Engineer - TNH	Supervising Engineer - AW	Supervising Engineer - NB	Senior Project Engineer - JD	CADD Technician - KD			Subconsultant Participation	SSG	Fehr Engineering								Total Subconsultant Costs
1 – Project Management, Quality Assurance/Quality Control, and Meetings	Task 1									Task 1				Task 1			Task 1			
1.1 Project Management	Task 1.1	16						16	\$4,800	Task 1.1	\$0	\$0	\$0	Task 1.1	\$4,800	\$0	\$4,800	\$4,800	\$4,800	
1.2 Quality Assurance/Quality Control	Task 1.2		10					10	\$3,000	Task 1.2	\$0	\$0	\$0	Task 1.2	\$3,000	\$0	\$3,000	\$3,000	\$3,000	
1.3 Meetings (4)	Task 1.3	12			8			20	\$5,632	Task 1.3	\$0	\$0	\$0	Task 1.3	\$5,632	\$0	\$5,632	\$5,632	\$5,632	
Task 1 Subtotal		28	10	0	8	0	0	46	\$13,432		\$0	\$0	\$0				Task 1 Subtotal	\$13,432	\$13,432	
2 – Contract Document Development	Task 2									Task 2				Task 2			Task 2			
2.1 30% Design	Task 2.1	4		4	16	24	12	60	\$13,420	Task 2.1	\$2,000	\$4,000	\$6,000	Task 2.1	\$13,420	\$6,000	\$19,420	\$19,420	\$19,420	
2.2 60% Design	Task 2.2	4		12	20	16	12	64	\$14,604	Task 2.2	\$2,000	\$4,000	\$6,000	Task 2.2	\$14,604	\$6,900	\$21,504	\$21,504	\$21,504	
2.3 90% Design	Task 2.3	4		24	24	16	4	72	\$17,636	Task 2.3	\$2,000	\$3,500	\$5,500	Task 2.3	\$17,636	\$6,325	\$23,961	\$23,961	\$23,961	
2.4 Final Design	Task 2.4	4		8	8	6	2	28	\$6,920	Task 2.4	\$1,500	\$3,500	\$5,000	Task 2.4	\$6,920	\$5,750	\$12,670	\$12,670	\$12,670	
Task 2 Subtotal		16	0	48	68	62	30	224	\$52,580		\$7,500	\$15,000	\$22,500				Task 2 Subtotal	\$77,555	\$77,555	
3 – Hydropneumatic Tank Electrical Service	Task 3									Task 3				Task 3			Task 3			
3.1 Hydropneumatic Tank Electrical Service	Task 3.1	2			4	2	2	10	\$2,340	Task 3.1	\$0	\$3,000	\$3,000	Task 3.1	\$2,340	\$3,450	\$5,790	\$5,790	\$5,790	
Task 3 Subtotal		2	0	0	4	2	2	10	\$2,340		\$0	\$3,000	\$3,000				Task 3 Subtotal	\$5,790	\$5,790	
4 – Additional Engineering Services	Task 4									Task 4				Task 4			Task 4			
4.1 Additional Engineering Services	Task 4.1							0	\$0	Task 4.1	\$0	\$0	\$0	Task 4.1	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	
Task 4 Subtotal		0	0	0	0	0	0	0	0		\$0	\$0	\$0		\$20,000	\$20,000	Task 4 Subtotal	\$20,000	\$20,000	
Sub-Total	Hours	46	10	48	80	64	32	280	\$ 68,352	Sub-Total	\$7,500	\$18,000	\$25,500	Sub-Total	\$20,000	\$20,000	Grand Total	\$68,352	\$48,425	\$116,777
	Cost	\$13,800	\$3,000	\$12,192	\$20,320	\$14,912	\$4,128													

FEHR ENGINEERING COMPANY, INC.

February 16, 2024

Nicholas Boswell, PE, QSD/QSP
MNS Engineers, Inc.
811 El Capitan Way, Ste 130
San Luis Obispo, CA 93401

Re: Poppy Hill Booster Station
FE No. 24008.00

Dear Nick,

We are pleased to have this opportunity to provide a proposal for the Electrical Engineering portion of the referenced project. We provide you with the following proposal for consulting services.

We propose to provide electrical working drawings and specifications to facilitate installation of the project. We assume that the specification will be in our standard CSI book format. Our services are based upon the following parameters:

Booster Station Upgrade

- In general, this project will be to upgrade the existing booster station by installing new pumps similar in size to the existing pumps. The new pumps are expected to be about 7½-HP each.
- The existing service is rated at 70-amperes, 480-volts, 3-phase which is adequate to support the load. We anticipate that we will make some adjustments to the existing service to accommodate the re-arranged site. These adjustments will require PG&E involvement and our work includes coordinating our efforts with PG&E.
 - The existing service is from pole mounted transformer located about 75' from the existing booster station and adjustments will be from that location.
- We assume that we'll be adding a pump control pedestal line-up which will contain the following sections:
 - A utility meter section with a main service disconnect.
 - A section for the automatic transfer switch.
 - Motor starter sections for the two pumps.
 - We assume that each pump will use a simple across the line starter.
 - Instrumentation and controls section. Instrumentation and controls will be designed and specified as a joint effort by your office and this office, and we will provide a pedestal section for said instruments and controls.

- This station will require a standby emergency generator and as previously discussed we will base our design on Generac products.
- Station communications will be the existing system with the additional signals connected per the owner's requirements. We will coordinate with the owner to determine their signal needs.
- We're planning a site visit to ascertain the existing conditions as required.
- Controls for the station will be achieved using an Allen-Bradley PLC and associated control elements. Our work includes coordination with the owner to develop control ladder logic for this station.
- Your office will provide us with AutoCAD backgrounds for this project.
- Our work includes review submittals at 30%, 60% & 90% complete plan sets as well as final signed construction documents.

Our engineering design fee for the booster station upgrade as describe above is \$15,000.00.

Booster Station Upgrade

- This portion of the project will be to apply and design for a new service at the hydro-pneumatic tank in the residential area of the development.
- At the hydro-pneumatic tank power distribution will include power and controls to operate an air compressor at this location.

Our engineering fee for the hydro-pneumatic tank upgrade as describe above is \$3,000.00.

Construction Support Services (CSS):

- Our engineering fee does not include Construction Support Services (CSS), however, if required we will provide CSS upon request. CSS will be billed on a time and materials basis in addition to our stated design fee.

We trust that the above agrees with your understanding of our participation in this project and meets with your approval. We are most interested in your input and if there is something about our proposal which needs further explanation or if you would like to adjust the scope-of-work please contact me. If the above meets with your approval, please provide your written authorization to proceed as noted above.

Sincerely,

T. E. Pinkerton

Thomas E. Pinkerton, P.E.
Registration No. E 14906, Exp. 06/30/25
Project Manager



structural engineers

Project No.: S24057

March 4, 2024

Nick Boswell, PE
via: nboswell@mnsengineers.com
MNS Engineers
811 El Capitan Way, Suite 130
San Luis Obispo, CA 93401

RE: Structural Engineering Services for:
City of Watsonville - Poppy Hill Booster Pump Station Upgrade
Poppy Hill, Corralitos, CA

Dear Mr. Boswell,

We thank you for considering SSG Structural Engineers, LLP as a member of your design team for the City of Watsonville - Poppy Hill Booster Pump Station Upgrade project. As a structural engineering firm in the heart of the Central Coast, we have had the opportunity to collaborate on numerous water and wastewater projects throughout the area. Our services include complete structural design with special attention to project-specific details, client budget, and design team collaboration. We are also available during construction for construction administration and structural observation services with a focus on availability and communication.

Based on our previous meetings and your sharing of photos and information, we have prepared the following Structural Engineering Services proposal for your consideration.

EXHIBIT A**1. PROJECT SCOPE OF WORK****A. Project Description:**

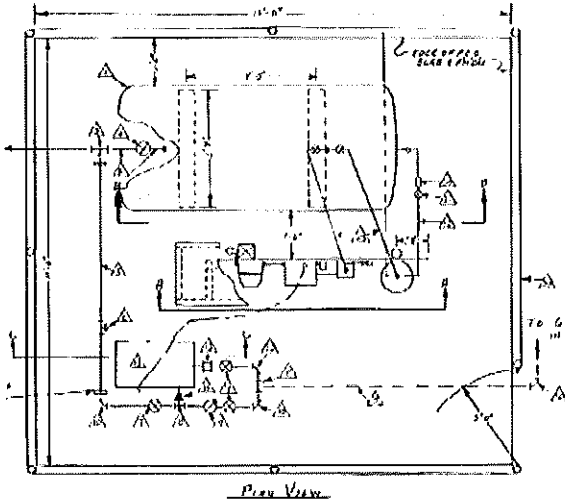
1. Existing Booster Pump Station
 - a. Reconstruction of all above-ground pumps and piping
 - b. New Genset on new pad
 - c. New Electrical Equipment on Housekeeping pads
2. New Hydropneumatic Tank & Electrical Service
 - a. Support for new Tank and Electrical Panel or detailing at remote location to main booster pump station.



structural engineers

Project No.: S24057

March 4, 2024



Existing Booster Pump Station Layout

B. Project Deliverables (Subject to terms and conditions of Exhibit B):

1. Participation in project kick-off meeting with design and construction consultants to be held in the general San Luis Obispo area.
2. Delivery Phases and Milestones:
 - a. 30% PS&E
 - b. 60% PS&E
 - c. 90% PS&E
 - d. Final PS&E
3. Preparation Structural Design and calculations shall be based on the provisions of the 2022 California Building Code and ASCE 7-16.
4. Preparation of Structural Drawings to include the following:
 - a. Foundation plans (1 sheet)
 - b. Structural Detail Sheets (1 sheet)
 - c. Structural Notes/Sheet Specifications (1 sheet)
 - d. Structural Specification Sections (CSI Format, 6 digit)
5. Respond to Structural Plan Review by the Authority Having Jurisdiction.



structural engineers

Project No.: S24057

March 4, 2024

2. COMPENSATION:

Item	Compensation
Contract Document Development (30/60/90/Final)	\$6,500
Hydropneumatic Tank Site	HNTE \$1,000

All fees for services performed will be billed in accordance with the Prime Agreement



structural engineers

Project No.: S24057

March 4, 2024

3. **EXCLUSIONS:** The following services are specifically excluded from the scope of services provided under the conditions of this proposal.
- A. Services outside the generally accepted scope for the practice of Structural Engineering.
 - B. Construction Administration and Structural Observation
 - C. Soils and/or Geotechnical Engineering or testing.
 - D. Detailed review of engineering design work completed by others.
 - E. Preparation of demolition drawings, site surveys or building services surveys
 - F. Material testing or Special Inspection Services
 - G. Design revisions, partial or complete outside the scope of Design Development.
 - H. Preparation of Record Drawings from the contractors 'As-Built' drawings.
 - I. The review and approval of substitute or alternate materials.
 - J. Design of non-structural interior partition stud framing systems, SSG will review architectural details and provide structural advice only.
 - K. Site, grading or civil related design.
 - L. Utilities or the support and housing of utilities located more than five (5) feet outside the building footprint.
 - M. Site and landscape furnishings and relocation of site utilities, including those running within five (5) feet of the building footprint.
 - N. Site shoring or shoring design for any means and methods of the contractor during excavations.
 - O. Construction cost or scheduling estimating.
 - P. Special construction consulting and inspection services.
 - Q. Payment of Municipal, Agency or permit fees.
 - R. Safety supervision.
 - S. Preparation/Production of Shop Drawings.
 - T. Specialty Foundation Solutions not noted in the geotechnical engineering report if received after structural completion of 50% Schematic Design (i.e. deep foundation or mat/raft foundations).
 - U. Corrosion engineering.
 - V. Cal-Green, LEED® or other sustainable Consulting outside of that related to the scope of Structural Engineering.

Some of these services can be provided on a time and material basis, should they become necessary during the course of the project.



structural engineers

Project No.: S24057

March 4, 2024

EMPLOYEE HOURLY RATE SHEET

Effective January 1, 2023

Position	Rate
Principal Structural Engineer	\$220 / hr
Principal Engineer	\$210 / hr
Senior Structural Engineer	\$165 / hr
Structural Engineer	\$150 / hr
Senior Project Engineer	\$140 / hr
Project Engineer	\$130 / hr
Staff Engineer	\$120 / hr
Production (CAD) Operator	\$95 / hr
Production (CAD) Technician	\$80 / hr
Administrative Professional	\$60 / hr
Reimbursable Expenses shall be billed at a rate of 1.1 times direct cost (Mileage, Travel, Printing, Shipping, Etc.)	