



SEC, INC.
825 COVE PARKWAY, SUITE A
COTTONWOOD, AZ 86326

WORK ORDER

Date Opened 12/7/2023 Date Required ASAP

Project Name TOJ/Structural Walls Engineering Project No. 23-0102CE PH 1

Ordered by Brett Klein - Town Manger/Clerk Email b.klein@jerome.az.gov

Bill to TOJ C/O Brett Klein Phone (928) 634-7943

Street PO Box 335 City Jerome State AZ Zip 86331

Received by Krishan Ginige Office Letter Phone Other

PROJECT LOCATION Yavapai County Town of Jerome

PROJECT DESCRIPTION Town of Jerome Engineering and Surveying - Structural Walls

- 1) Per attached SEC Proposal Letter, dated 12/7/2023, attached hereto and made a part of this Work Order.
- 2) Any additional requests will be billed as "extra" items at current Time & Materials rates. Prior approval will be obtained before proceeding.
- 3) Retainer to be applied to final Invoice, or after 70% of the work has been completed.

SEC, Inc. agrees to perform the work outlined herein under the terms and conditions set forth in Schedules A and B, attached hereto and made a part hereof. Client agrees to pay an estimated fee of **\$ 34,146.00** plus any direct expenses. This is an estimated fee only, based upon information provided to SEC, Inc. by client, and in the event the information is inaccurate, or in the event of unforeseen circumstances, this estimate may change. Estimate may become void if Work Order is not received by 3/7/2024.

If additional work is requested during the project agreed to be performed under this agreement, fees will be based on the current SEC, Inc., hourly rate schedule. A retainer is to be remitted with this Work Order in the amount of \$__. The balance due SEC, Inc., shall be paid upon completion, or in payments during the course of the project. All past due accounts after deducting current payments and credits, shall bear interest at the rate of 1³/₄ percent per month, compounded, which is an annual percentage rate of 21 percent. Client agrees to pay all costs of collection, including reasonable attorney fees. Liability for errors and omissions in the work is limited to the amount of the fee.

Acknowledgement and authorization:

Client Signature

Date

825 COVE PARKWAY, SUITE A • COTTONWOOD, AZ 86326 • PHONE 928-634-5889 •



**SOUTHWESTERN
ENVIRONMENTAL
CONSULTANTS, INC.**

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info@sec-landmgt.com

SEC, Inc.
825 COVE PARKWAY
COTTONWOOD, ARIZONA 86326
(928) 634-5889

Brett Klein
Town of Jerome Manager
VIA Email: b.klein@jerome.az.gov

December 7, 2023

RE: Town of Jerome Engineering and Surveying – Structural Walls (Phase 1)

Dear Brett,

SEC is pleased to present this proposal and estimate to provide surveying and engineering services on the above referenced project. Due to the extent of work and the time constraints, the Design Team consists of SEC Inc and Ethos Engineering, LLC. The evaluation consists of many unknowns. Therefore, the project is divided into two phases. Phase 1 will be the preliminary investigation and review possible options for mitigation. This approach will provide the ability for the Town to be a part of the design development process. After Phase 1 is completed and a mitigation approach is agreed upon, the design team will work on final design (Phase 2 – Not a part of this proposal). Below is a brief description of our understanding of the challenges facing the Town.

- Wall No. 1 – This wall is located just east of the Town Hall (on Clark Street) and provides grade separation from the Town Hall parking lot (to the buildings south side) and the lower lot which surrounds the building on its other three sides. The wall, in the area of concern, appears to be 10 to 15 feet in height. The wall appears to be a gravity masonry rock wall, much of which is covered with a thin coating of shotcrete. At the distressed location the wall appears to have bulged some, the shotcrete coating is absent with the rock exposed and the binding mortar appears to be absent.
- Wall No. 2 – Located along the northside of School Road, this approximate 60-foot long section of wall constructed of stacked rock provides approximately 8 to 9 feet of grade separation to the backyard of a residence. Though screened to some extent by vegetation, there is a concern this wall may be unstable and in need of repair.
- Wall No. 3 – This approximate 10- to 12-foot-tall wall is located along the south side of School Road and provides grade separation between the Town Hall north side parking lot and the adjacent street. A portion of this wall is leaning outward from the top and has full-height cracks at the ends of the observed distress. Though the wall appears to contain steel reinforcement, the wall type is not currently known.

STRUCTURAL ASSESSMENT

- Our structural scope of work would include the development of preliminary structural options to fix or replace Walls No. 2 and 3 as applicable. Evaluations for distress of gravity masonry walls will be covered under the geotechnical assessment section below. Our structural recommendations for walls 2 and 3 will assess work area requirements during construction to assess if traffic could be maintained or if a road closure is needed. Cost estimates will be prepared for the alternatives being considered. The results of our preliminary structural assessment will be included in the geotechnical letter report.

GEOTECHNICAL ASSESSMENT

- Our proposed geotechnical assessment will include further visual observation of Wall Nos. 1 and 2. Additionally, the Town has agreed to provide a backhoe to excavate 2 to 3 test

pits along the back (high) side of Wall No. 3. The intent of the excavations will be to provide information as to the wall construction and the backfill. This one (1) day site visit will be made by Mr. Dahlen and will include observation of the five walls.

The results of our field assessment will be provided in a letter report. We will note the wall types, observations regarding stability, distress, drainage conditions.

STRUCTURAL AND GEOTECHNICAL FEES

- Our services will be performed under the direction of an Arizona-registered Professional Civil Engineer. Based on the proposed scope of work and our understanding of the project, we propose to complete the design for the scope of work presented above on a lump-sum amount of **\$18,621.00**.

Based on our understanding of the project, the tasks to be accomplished include:

TOPOGRAPHY BASE MAP AND ROW REVIEW:

- Establish School Street ROW line where it is common with the South line of Block 11 of Jerome Subdivision.
- Gather topography approximately 20' North of the same ROW line.
- Gather topography as needed in portions of 401-07-176 and 401-10-002 (Town of Jerome "School" parcels).
- Gather topography in a portion of School Street that is more or less in between the two above described areas.

We propose to complete the above mentioned survey work for an estimated cost of **\$15,525.00**

We propose to complete the above mentioned scope of work for an estimated cost of **\$34,146.00**. Additional work will be charged at current Time & Materials basis per the attached rate sheet. Enclosed is a Work Order for this project. We will proceed with the work once you have returned a signed copy. Therefore, please review the enclosed Work Order and Schedules A & B. If it meets with your approval, sign and date on the lines indicated and return to us.

Thank you for the opportunity to provide you with this proposal and an estimate of costs for surveying services on this project. If you have any questions, please do not hesitate to contact me at (928) 634-5889 or kginige@sec-landmgt.com. Thank you and we look forward to assisting you with your surveying, engineering, and planning needs.

Sincerely,



Krishan Ginige, P.E.
President
SEC Project # 23-0102CE

RATE SCHEDULE - SCHEDULE A

Professional Services
(effective January 1, 2012)

The cost of services, provided by SEC, Inc., are determined as basic direct wages times a cost multiplier for overhead expenses. Hourly charges for different disciplines are as follows:

<u>Functions</u>	<u>Hourly Rate (\$)</u>
Principal Engineer / Company Officer	175.00
Project Engineer	145.00
Senior Civil Engineer / Planner Level VI.....	135.00
CE Level IV / Registered Land Surveyor II.....	120.00
CE Level III / Registered Land Survey I or / Technician Level V / Planner Level V.....	105.00
CE Level II / Survey Chief III / Technician Level IV / Planner Level IV	95.00
CE Level I / Survey Chief II / Technician Level III / Planner Level III	85.00
Survey Chief I / Technician Level II / Planner Level II.....	75.00
Technician Level I / Planner Level I	60.00
Laborer	50.00
CADD Designer Level II	87.00
CADD Designer Level I	70.00
GIS – Level II	85.00
GIS - Level I	70.00
CADD Drafter	65.00
Secretary / Non-professional Research (min 1 hour).....	50.00

See Natural Resource Rate SCHEDULE A, if applicable

Overtime/Expert Witness

Overtime for all disciplines will be charged at the rate of 1.5 times the hourly rate and 2.0 times the hourly rate for Sundays and holidays. Expert Witness will be charged at 2.0 times the hourly rate for that professional.

Equipment and Materials

Vehicles	0.70/mile
Field Materials	Cost plus 20%
Robotic Total Station.....	\$22/hr
GPS Receiver	\$26/hr
Special Service(s) & Equipment Rental.....	Cost plus 20%
Blackline Prints:	0.25/sf (Public 1.00/sf)
Color Prints: 11" x 17".....	3.50 each
Mylar: 18" x 24".....	7.50 each
24" x 36".....	12.50 each
Xerox Copies, Letter & Legal: single/double sided	0.15/0.20 each
Xerox Copies: 11" x 17" or Color 8½" x 11"	0.75 each
Color Prints/Plots (24" x 36").....	15.00 each
Check Plots20¢/sf
CD copy	\$20.00 each
Miscellaneous	Cost plus 20%

Note: Above fee schedule rates are subject to change without notice. Equipment and material costs are subject to change without prior notice, to reflect supplier price changes.

On projects that require a field crew(s) to stay out of town, *per diem* expenses (meals, lodging) will be billed on basis of "costs" plus 20%. On all survey jobs, a **minimum** charge of 2 hours at the current rates will be applied to each job for field work.

**TERMS AND CONDITIONS OF AGREEMENT
BETWEEN CLIENT AND SEC, INC.**

(SCHEDULE B)

1. **AUTHORIZATION TO PROCEED.** Client's signing of this Work Order constitutes authorization for SEC to proceed with the described services and also constitutes acknowledgment and ratification of services previously rendered at Client's request to the extent they fall within the scope of services described on the Work Order.
2. **RETAINER.** Before SEC begins rendering services, Client shall pay a retainer in the amount set forth on the Work Order. As the retainer is depleted, additional funds will be requested to replenish the retainer balance. Any credit balance in retainer will be adjusted in the final invoice and any amounts due to the Client will be refunded at that time.
3. **INVOICES.** SEC will submit invoices to Client from time to time as services are provided. Invoices are due and payable upon receipt. Client shall promptly review invoices and notify SEC of any objection thereto; absent such objection in writing within ten (10) days of the date of the invoice, the invoice shall be deemed proper and acceptable.
4. **FEES.** Fees are based either on an estimate, quote, or on a time and material (T&M) basis as so stated on the Work Order. Rates are based on the current SEC Rate Schedule (Schedule A). Client shall pay the costs of all materials and direct expenses such as fees, permits, bond premiums, title company charges, delivery charges, travel, lodging, subsistence, blueprints and reproductions, and all other charges and expenses related to completion of the project not specifically covered by the terms of this agreement. In the event such reimbursable items are paid directly by SEC, then such charges and expenses will be invoiced to the Client at direct cost plus twenty (20) percent for handling. A minimum charge of two hours at current rates will be assessed to each survey job.
5. **LIMITATION OF FEES.** SEC's fees shall be limited to the amount set forth in the Work Order. SEC's estimate of the total fees is not a guarantee that all the described services can be performed for that amount but represents its good faith estimation of the approximate total fees that will be earned, based on the information available at the time. However, should the estimated fee amount be reached prior to the limit of services under this Agreement, SEC can limit its services to that amount. If all the services described are not completed, SEC shall provide Client with a revised estimate and proceed to completion only upon Client's authorization (either written or verbal).
6. **EXTRAS.** Client shall pay for any additional work agreed to be performed by SEC at the request of Client, in addition to those set forth herein. The additional work will be charged as extras based on the current SEC hourly rate schedule.
7. **PAYMENT.** Payment for invoices tendered by SEC, are net due upon receipt of the invoice. In the event any invoice is not paid within thirty (30) days, it shall commence bearing compound interest. Beginning on the date the invoice was rendered, compound interest will be calculated at the rate 1.75% per month, (twenty-one (21) percent per annum -- or such rates as may be maximum interest permissible under applicable law, -- whichever is lower). Client agrees to pay all accrued interest together with the charges for services rendered. SEC reserves the right to terminate work on the project until any amounts outstanding are paid in full.
8. **TERMINATION.** Either party may terminate this Agreement with or without cause, upon ten (10) working days written notice to the other. In the event any invoice submitted under this Agreement or under any other agreement between Client and SEC, is not paid in full within forty-five (45) days after rendering, Client agrees that SEC shall have the right to consider said default a material breach of this Agreement. Client shall have ten (10) days thereafter in which to cure said default. If said default is not cured by Client, SEC shall have the right, in addition to all other available rights and remedies, to terminate this Agreement even if the default is in payment of an invoice submitted under another agreement, and to terminate all other agreements between Client and SEC. Upon early termination, Client shall then promptly pay SEC for all of the fees and charges for all services rendered and costs incurred by SEC to the effective date of termination.
9. **CLIENT RESPONSIBILITIES.** Client shall cooperate with SEC by providing everything reasonably necessary for SEC to be able to provide its services., including but not limited to, all necessary information concerning the project and Client's requirements including design criteria, necessary access to public and private lands, legal accounting, insurance services required for the project, necessary permits, and approval of governmental authorities and other individuals.
10. **OWNERSHIP OF DOCUMENTS.** All documents prepared by SEC pursuant to this Agreement are prepared specifically for use in connection with this project. Originals of all such documents are and remain the property of SEC. SEC shall furnish Client with sufficient copies of such documents for its purposes at associated costs. All such documents are not intended or represented to be suitable for reuse by the Client or others on extensions of this project or on any other work. The Client may use such documents for other purposes without further compensation to SEC; however, any reuse without written verification or adaptation by SEC for the specific purpose intended will be at the Client's sole risk and without liability or legal exposure to SEC. Client agrees to indemnify and hold harmless SEC from all claims, damage, losses, and expenses, including attorney's fees, arising out of or resulting from the Client's use of the documents for any purpose other than in connection with this project. Any verification or adaptation of the documents by SEC for other purposes will entitle SEC to further compensation as agreed upon between the parties.
11. **CONSTRUCTION COST ESTIMATES.** SEC has no control over actual project construction costs and estimates of such probable costs represent SEC's good faith estimation only of the approximate, probable cost to construct the project, based on the information available at the time. SEC cannot and does not represent or guarantee that actual project construction costs will not vary substantially from its estimate of probable costs.
12. **ARBITRATION AND LEGAL EXPENSES.** Any controversy of claim relating to this Agreement will be settled by arbitration upon the mutual agreement of the parties. Such arbitration shall be conducted in accordance with the rules of the American Arbitration Association in effect at the time of the arbitration, unless the parties mutually agree to conduct such arbitration by a different procedure. Judgment on the award or decision rendered may be entered in any court having jurisdiction over the matter. In the event of any legal action between the parties to enforce any of the terms of this Agreement, the party in whose favor judgment is rendered, shall be paid by the non-successful party, all costs and expenses incurred, including a reasonable attorney's fee.
13. **LIMITATION OF LIABILITY.** SEC's liability to the Client for any cause or combination of causes is, in the aggregate, limited to an amount no greater than the fee earned under this Agreement.
14. **BINDING EFFECT.** The terms and conditions of this Agreement shall inure to the benefit of and be binding upon the parties and their respective heirs, successors, and assigns. This Agreement shall be governed by and construed in accordance with the laws of the State of Arizona. If any of the provisions of this Agreement are declared invalid, such declarations shall not affect the validity of the remainder of this Agreement.
15. **CAPTIONS.** The paragraph captions used in this Agreement are for convenience only; they are not construed as part of this Agreement; and they in no way define, limit or amplify the provision of this Agreement.

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Sincerely,

DRAFT

Krishan Ginige, P.E.
President
SEC Project # 23-0102CE

