

**AMENDMENT NO. 1 TO AGREEMENT A4263A
BETWEEN THE SANTA CLARA VALLEY WATER DISTRICT
AND KLEINFELDER, INC.**

This Amendment No. 1 (Amendment), effective as of the date it is fully executed by the Parties, amends the terms and conditions of the Standard On-Call Consultant Agreement A4263A (Agreement) dated May 28, 2019, between SANTA CLARA VALLEY WATER DISTRICT (Valley Water) hereinafter called Valley Water and KLEINFELDER, INC., (Consultant), collectively, the Parties.

RECITALS

WHEREAS, Consultant is currently providing professional on-call geotechnical engineering services for Valley Water in support of the Capital Improvement Program projects in all phases of development including planning, design, and construction, and in support of ongoing operations and maintenance work; and

WHEREAS, the Parties desire to increase the not-to-exceed fee to provide funds for Consultant to continue performing on-call geotechnical engineering services at the consistently higher than originally anticipated current volume and level of necessity experienced to date; to update the Standard On-Call Consultant Agreement language; increase the task order limit; and incorporate administrative changes.

NOW, THEREFORE, in consideration of the mutual promises and agreements stated herein and notwithstanding anything to the contrary stated in the Agreement, Valley Water and Consultant hereby agree to amend the Agreement as follows:

1. The Standard Consultant Agreement, Section Twelve, Miscellaneous Provisions, is amended to state as follows:

“19. Choice of Law and Venue

The Parties agree that this Agreement is to be governed, construed, and enforced in accordance with the laws of the State of California. The Parties also agree that the venue of any litigation arising out of or connected with this Agreement will lie exclusively in the state trial court or Federal District Court located in Santa Clara County in the State of California, and the Parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.

20. No Third-Party Beneficiaries

Nothing in this Agreement, whether express or implied, shall be construed to give any person or entity, other than the Parties hereto, any legal or equitable right, remedy, or claim under or in respect of this Agreement or any covenants, conditions, or provisions contained herein.

21. Severability

If a court of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, will not be affected, unless an essential purpose of this Agreement would be defeated by the loss of the illegal, unenforceable, or invalid provision.

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22. Debt Limitation

This Agreement is contingent on the appropriation of sufficient funding by Valley Water for the services described in this Agreement. Valley Water is subject to laws or policies which limit its ability to incur debt in future years. Nothing in this Agreement shall constitute an obligation of future legislative bodies of Valley Water to appropriate funds for purposes of this Agreement.

23. Appendices

The following listed Appendices are incorporated herein by this reference as though set forth in full:

Revised Appendix One to the Revised Standard On-Call Consultant Agreement - Additional Legal Terms (REVISED)

Appendix Two to the Revised Standard On-Call Consultant Agreement - Dispute Resolution (UNCHANGED)

Appendix Three to the Revised Standard On-Call Consultant Agreement - Task Order Template (UNCHANGED)

Revised Appendix Four to the Revised Standard On-Call Consultant Agreement - Insurance Requirements (REVISED)

24. Schedules and Attachments. Schedule OC, Scope of Services, and the following listed Attachments are incorporated herein by this reference as though set forth in full:

Revised Attachment One to Schedule OC - Fees and Payments (REVISED)

Attachment Two to Schedule OC - Schedule of Completion (UNCHANGED)

Revised Attachment Three to Schedule OC - Consultant's Key Staff and Subconsultants (REVISED)

Attachment Four to Schedule OC - Reference Materials (UNCHANGED)"

2. Appendix One to the Standard On-Call Consultant Agreement, Additional Legal Terms, is amended as set forth in the Revised Appendix One to the Revised Standard On-Call Consultant Agreement, Additional Legal Terms, attached hereto and incorporated herein by this reference.
3. Appendix Four to the Standard On-Call Consultant Agreement, Insurance Requirements, is amended as set forth in the Revised Appendix Four to the Standard On-Call Consultant Agreement, Insurance Requirements, attached hereto and incorporated herein by this reference.
4. Schedule OC - Scope of Services, Section 1. is amended to state as follows:

"1. REPRESENTATIVES

**AMENDMENT NO. 1 TO AGREEMENT A4263A
BETWEEN THE SANTA CLARA VALLEY WATER DISTRICT
AND KLEINFELDER, INC.**

- A. The District's representatives are as listed below. Unless otherwise provided in this Agreement, all correspondence to the District shall be addressed to the District's Project Manager.

Madhu Thummaluru (Valley Water Project Manager)
Senior Engineer
Dam Safety Program and Project Delivery Unit
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: 408-630-2256
Email: mthummaluru@valleywater.org

Hemang Desai (Valley Water Unit Manager)
Dam Safety Program Manager
Dam Safety Program and Project Delivery Unit
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: 408-630-3017
Email: hdesai@valleywater.org

Rechelle Blank (Division Deputy Operating Officer)
Watersheds Design and Construction Division
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: 408-630-2615
Email: rblank@valleywater.org

- B. The Consultant's Project Manager is as listed below. All District questions and correspondence pertaining to this Agreement shall be referred to the Consultant's Project Manager.

Glen Gorski
Project Manager
Kleinfelder
380 N. 1st Street, Suite A
San Jose, CA 95112

Phone: (510) 459-6297
Email: GGorski@kleinfelder.com

- C. The Consultant's Principal Officer for this Agreement is as listed below. As per the Agreement, Section Twelve, subsection 18. Notices, all notices pertaining to this Agreement must be submitted to the Consultant's Principal Officer.

**AMENDMENT NO. 1 TO AGREEMENT A4263A
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AND KLEINFELDER, INC.**

Eric Hinzel
Senior Program Manager
Kleinfelder, Inc.
1330 Broadway, Suite 1200
Oakland, CA 94612

Phone: (510) 628-9000
Email: ehinzel@kleinfelder.com"

5. Attachment One to Schedule OC, Fees and Payments, is amended as set forth in the Revised Attachment One to Revised Schedule OC, Fees and Payments, attached hereto and incorporated herein by this reference.
6. Attachment Three to Schedule OC, Consultants Key Staff and Subconsultants, is amended as set forth in the Revised Attachment Three to Revised Schedule OC, Consultants Key Staff and Subconsultants, attached hereto and incorporated herein by this reference.
7. All other terms and conditions of the Agreement not otherwise amended as stated herein remain in full force and effect.

IN WITNESS WHEREOF, THE PARTIES HAVE SET FORTH BELOW THEIR CONSENT TO THE TERMS AND CONDITIONS OF THIS AMENDMENT NO. 1 TO AGREEMENT A4263A THROUGH THE SIGNATURES OF THEIR DULY AUTHORIZED REPRESENTATIVES.

SANTA CLARA VALLEY WATER DISTRICT
Valley Water

By: _____
Chair, Board of Directors

Date: _____

KLEINFELDER, INC.
Consultant

By: _____
Eric Hinzel
Senior Program Manager

Date: _____

Consultant's Address:

ATTEST: _____
1300 Broadway, Suite 1200
Oakland, CA 94612

Michele L. King, CMC
Clerk, Board of Directors

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AMENDMENT NO. 1 TO AGREEMENT A4264A

REVISED APPENDIX ONE ADDITIONAL LEGAL TERMS

1. Conflict of Interest for Future Services

Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant shall not submit a proposal:

- A. For any agreement to be awarded for planning, design, construction management or construction of any project that is related to the Services provided pursuant to this Agreement;
- B. In response to any request for proposal or District solicitation developed or prepared by or with the assistance of Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant; or
- C. For any single or sole source products/services related to the Services pursuant to this Agreement, or have a financial stake in any single or sole source products/services resulting from this Agreement.

2. Dispute Resolution

If a dispute occurs between the Parties as a result of this Agreement, then the Parties agree to use the Dispute Resolution process outlined in the Revised Standard On-Call Consultant Agreement, Appendix Two Dispute Resolution.

3. Small Business Enterprise (SBE) Participation

This Agreement provides for the Consultant to include California Department of General Services certified Small/Micro Businesses in the performance of the Services, estimated to be **50%** or more of the Total Not-to-Exceed Fees stated in the Revised Standard On-Call Consultant Agreement, Revised Schedule OC, Revised Attachment One Fees and Payments, and Consultant agrees to use its best efforts to meet this goal.

4. Task Order Approvals

- A. Services to be performed pursuant to a Task Order may only commence once a specific Notice to Proceed for that Task Order has been issued by the District.
- B. Task Orders are subject to approval by the District's Deputy Operating Officer unless delegated to the Unit Manager.
- C. District Unit Manager(s) is authorized to approve individual Task Orders in an amount not-to-exceed \$ [Authorization Amount]. [NOT USED]
- D. The total not-to-exceed amount for any one Task Order shall not exceed \$250,000.

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REVISED APPENDIX FOUR INSURANCE REQUIREMENTS

Please Note: Failure to comply with the instructions below could result in a delay in receiving the Notice to Proceed. The District will not be responsible for time lost or costs incurred due to failure to comply with these requirements. Please note the check-list of documents needed at the end of this Revised Appendix Four Insurance Requirements.

Without limiting the Consultant's indemnification of, or liability to, the Santa Clara Valley Water District ("Valley Water"), the Consultant must provide and maintain at its own expense, during the term of this Agreement, or as may be further required herein, the following insurance coverages and provisions as listed below.

Consultant must provide its insurance broker(s)/agent(s) with a copy of these requirements and warrants that these requirements have been reviewed by Consultant's insurance agent(s) and/or broker(s), who have been instructed by Consultant to procure the insurance coverage required herein.

In addition to certificates, Consultant must furnish Valley Water with copies of all original endorsements affecting coverage required by this Revised Appendix. The certificates and endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. **All endorsements and certificates are to be received and approved by Valley Water before the Agreement is executed.** In the event of a claim or dispute, Valley Water has the right to require Consultant's insurer to provide complete, certified copies of all required pertinent insurance policies, including endorsements affecting the coverage required by this Revised Appendix Four Insurance Requirements.

If your insurance broker has any questions about the above requirements, please advise him/her to call Mr. David Cahen, District Risk Manager at (408) 630-2213.

Certificates of Insurance

Consultant shall furnish Valley Water with a Certificate of Insurance. The certificates will be issued on a standard ACORD Form.

Consultant shall instruct their insurance broker/agent to submit all insurance certificates and required notices electronically in PDF format to the designated Valley Water Contract Administrator and email a copy to valleywater@ebix.com.

The certificates will:

1. Identify the underwriters, the types of insurance, the insurance limits, the deductibles and the policy term;
2. Include copies of all the actual policy endorsements required herein; and
3. In the "Certificate Holder" box include:

**Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Agreement A4263A / CAS No. 4913**

IMPORTANT: The agreement or CAS number must be included.

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REVISED APPENDIX FOUR INSURANCE REQUIREMENTS

In the Description of Operations/Locations/Vehicles/Special Items Box:

1. Certificate Holder shall be named as Additional Insured;
2. Valley Water agreement or project number shall appear;
3. The list of policies scheduled as underlying on the Umbrella policy shall be listed; and
4. Waiver of Subrogation must be indicated as endorsed to all policies.

If Consultant receives any notice that any of the insurance policies required by this Revised Appendix Four Insurance Requirements may be cancelled or coverage reduced for any reason whatsoever, Consultant or insurer shall immediately provide written notice to the designated Valley Water Contract Administrator that such insurance policy required by this Revised Appendix Four Insurance Requirements is canceled or coverage is reduced.

Maintenance of Insurance

If Consultant fails to maintain such insurance as is called for herein, Valley Water, at its option, may suspend payment for work performed and/or may order Consultant to suspend all Consultant's work at Consultant's expense until a new policy of insurance is in effect.

Renewal of Insurance

Consultant will provide Valley Water with a current Certificate of Insurance and endorsements within thirty (30) business days from the expiration of insurance.

Consultant shall instruct its insurance broker/agent to:

1. Submit all renewals of insurance certificates and required notices electronically in PDF format to: valleywater@ebix.com
2. Provide the following information in the "Certificate Holder" box:

**Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Agreement A4263A / CAS No. 4913**

IMPORTANT: The agreement or CAS number must be included.

Consultant must, at its sole cost and expense, procure and maintain during the entire period of this Agreement the following insurance coverage(s).

Required Coverages

1. **Commercial General/Business Liability Insurance** with coverage as indicated:

\$2,000,000 per occurrence / \$2,000,000 aggregate limits for bodily injury and property

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REVISED APPENDIX FOUR INSURANCE REQUIREMENTS

damage

General Liability insurance must include:

- a. Coverage at least as broad as found in standard ISO form CG 00 01.
- b. Contractual Liability expressly including liability assumed under this contract.
- c. If Consultant must be working within fifty (50) feet of a railroad or light rail operation, any exclusion as to performance of operations within the vicinity of any railroad bridge, trestle, track, roadbed, tunnel, overpass, underpass, or crossway must be deleted, or a railroad protective policy in the above amounts provided.
- d. Severability of Interest.
- e. Broad Form Property Damage liability.

2. **Business Auto Liability Insurance** with coverage as indicated:

\$2,000,000 combined single limit for bodily injury and property damage per occurrence, covering all owned, non-owned and hired vehicles.

3. **Professional/Errors and Omissions Liability** with coverage as indicated:

\$5,000,000 per claim/ **\$5,000,000** aggregate

Professional/Errors and Omission Liability appropriate to the Consultant's profession, and must include:

- a. If coverage contains a deductible, or self-insured retention, it shall not be greater than one hundred thousand dollars (\$100,000) per occurrence/event.
- b. Coverage shall include contractual liability
- c. If coverage is claims-made:
 - i. Certificate of Insurance shall clearly state that the coverage is claims-made.
 - ii. Policy retroactive date must coincide with or precede the Consultant's start of work (including subsequent policies purchased as renewals or replacements).
 - iii. Policy must allow for reporting of circumstances or incidents that might give rise to future claims.
 - iv. Insurance must be maintained and evidence of insurance must be provided for at least three (3) years after completion of the contract of work.

4. **Workers' Compensation and Employer's Liability Insurance**

Statutory California Workers' Compensation coverage covering all work to be performed for Valley Water.

Employer Liability coverage for not less than \$1,000,000 per occurrence.

General Requirements

With respect to all coverages noted above, the following additional requirements apply:

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REVISED APPENDIX FOUR INSURANCE REQUIREMENTS

1. **Additional Insured Endorsement(s):** Consultant must provide an additional insured endorsement for Commercial General/Business Liability (for both on-going and completed operations) and Business Automobile liability coverage naming the **Santa Clara Valley Water District, its Directors, officers, employees, and agents, individually and collectively**, as additional insureds, and must provide coverage for acts, omissions, etc. arising out of the named insureds' activities and work. Other public entities may also be added to the additional insured endorsement as applicable and the Consultant will be notified of such requirement(s) by Valley Water. **NOTE:** This section does not apply to the Workers' Compensation and Professional Liability policies.

(**NOTE:** Additional insured language on the Certificate of Insurance is **NOT** acceptable without a separate endorsement such as Form CG 20 10, CG 2033, CG 2037, or CG 2038. Editions dated 07/04 are not acceptable.)
2. **Primacy Clause:** Consultant will provide evidence (either through the Certificate of Insurance, endorsement or language in the insurance contract) that consultant's insurance is primary with respect to any other insurance which may be carried by Valley Water, its Directors, its officers, agents and employees, and Valley Water's coverage must not be called upon to contribute or share in the loss. **NOTE:** This section does not apply to the Workers' Compensation policies.
3. **Cancellation Clause:** Consultant will provide endorsements for all policies stating that the policy will not be cancelled without 30 days prior notification to Valley Water.
4. **Acceptability of Insurers:** All coverages must be issued by companies admitted to conduct business in the State of California, which hold a current policy holder's alphabetic and financial size category rating of not less than A- V, according to the current Best's Key Rating Guide or a company of equal financial stability that is approved by Valley Water's Risk Manager. Non-Admitted companies may be substituted on a very limited basis at the Risk Manager's sole discretion.
5. **Self-Insured Retentions or Deductibles:** Any deductibles or self-insured retentions must be declared to and approved by Valley Water. At the option of Valley Water, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects Valley Water, its officers, officials, employees and volunteers; or the Consultant shall provide a financial guarantee satisfactory to the Entity guaranteeing payment of losses and related investigations, claim administration, and defense expenses. Consultant agrees that in the event of a claim they will pay down any agreed upon SIR in a prompt manner as soon as bills are incurred in order to trigger the insurance related to the SIR.
6. **Subconsultants:** The Consultant shall secure and maintain or shall be responsible for ensuring that all subconsultants performing the Contract Services secure and maintain all insurance coverages appropriate to their tier and scope of work in a form and from insurance companies reasonably acceptable to Valley Water.
7. **Amount of Liability not Limited to Amount of Insurance:** The insurance procured by Consultant for the benefit of Valley Water must not be deemed to release or limit any

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REVISED APPENDIX FOUR INSURANCE REQUIREMENTS

liability of Consultant. Damages recoverable by Valley Water for any liability of Consultant must, in any event, not be limited by the amount of the required insurance coverage.

8. **Coverage to be Occurrence Based:** Except for Professional Liability, all coverage must be occurrence-based coverage. Claims-made coverage is not allowed.
9. **Waiver of Subrogation:** Consultant agrees to waive subrogation against Valley Water to the extent any loss suffered by Consultant is covered by any Commercial General Liability policy, Automobile policy, Workers' Compensation policy described in **Required Coverages** above. Consultant agrees to advise its broker/agent/insurer and agrees to provide evidence (either through the Certificate of Insurance, endorsement or language in the insurance contract) that subrogation has been waived by its insurer.
10. Required Coverages: The required Per-Occurrence and Aggregate limits can be met using a combination of primary and excess (umbrella) coverages.
11. **Non-compliance:** Valley Water reserves the right to withhold payments to the Consultant in the event of material noncompliance with the insurance requirements outlined above.

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**REVISED APPENDIX FOUR
INSURANCE REQUIREMENTS**

CHECK LIST OF DOCUMENTS NEEDED

General Liability:	A.	Limits (\$2,000,000)	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	
Auto Liability:	A.	Limits (\$2,000,000)	
	B.	Additional Insured (Endorsement)	
	C.	Waiver of Subrogation (COI, Endorsement or policy language)	
	D.	Primacy (COI, Endorsement or policy language)	
	E.	Cancellation Endorsement	
Umbrella:	A.	Limits (\$)	
	B.	Primacy (Endorsement or policy language)	
Workers Comp:	A.	Limits (\$1,000,000)	
	B.	Waiver of Subrogation (Endorsement or policy language)	
	C.	Cancellation Endorsement	
Professional Liability:	A.	Limits (\$5,000,000)	
	B.	Cancellation Endorsement	

Appendix IV ConsultantGL2AL2PL2_rev. 7.20.20/CAS rev. 12.22.20

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REVISED SCHEDULE OC REVISED ATTACHMENT ONE FEES AND PAYMENTS

1. Total Authorized Funding.

Total payment for Services performed, to the satisfaction of Valley Water, as described in the Schedule and in all approved Task Orders will not exceed a total amount of **\$1,750,000 (Not-to-Exceed Fees or NTE)**. Under no conditions will the total compensation to the Consultant exceed this NTE payment amount without prior written approval in the form of an amendment to this Agreement executed by Valley Water's Board of Directors (Board), or Chief Executive Officer, or designee, as authorized by the Board. It is understood and agreed that this total is an estimate, and the total amount of Services to be requested by Valley Water may be less. **There is no guarantee, either expressed or implied, as to the actual dollar amount that will be authorized pursuant to this Agreement.**

2. Terms and Conditions.

Payments for Services performed, as described in each Task Order, which applies to the specific Services, will be based on the following terms:

- A. Valley Water will pay for Services provided by the Consultant according to the rates for professional, technical, and administrative personnel as well as materials and supplies as listed below in the Hourly Rate and Unit Rate Schedule(s).
- B. The stated hourly rates are effective for the term of this Agreement unless otherwise revised as indicated. After 12 months from the date this Agreement is entered into by parties ("anniversary date"), and each 12 months thereafter, these hourly rates may be negotiated by the Consultant and Valley Water, provided Consultant submits written notice to Valley Water of Consultant's request to revise the hourly rates 90 calendar days prior to the anniversary date of this Agreement. Both parties will use as a benchmark for negotiations the percent change for the previous 12 months of the "Employment Cost Index (ECI), for total compensation for private industry workers, for the San Francisco-Oakland-San Jose, CA CSA Census region and metropolitan area (not seasonally adjusted)" as published by the U.S. Department of Labor, Bureau of Labor Statistics, or **2.5%** whichever is less. A negative index will result in rates remaining the same. Such rate revisions are subject to written approval by Valley Water's Deputy Operating Officer.
- C. Reimbursable Expenses.
 1. All reimbursable expenses not already covered in overhead may include, but are not limited to, mapping, rendering, printouts, leased equipment, mailing and delivery services, printing services, film and processing, plotting, and supplies. These other direct expenses as approved by Valley Water Project Manager will be billed on a monthly basis at actual cost plus 5% linked to each Agreement Task, provided that the Task total NTE amount is not exceeded. Consultant shall provide receipts for each other direct expense item(s) with monthly invoices submitted. The 5% markup will be applied only

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REVISED SCHEDULE OC REVISED ATTACHMENT ONE FEES AND PAYMENTS

once, either by the Consultant or by its subconsultants, subcontractors, or vendors.

2. Equipment purchased on behalf of Valley Water that costs \$50 or more must receive the prior written approval of Valley Water Project Manager. All equipment purchased on behalf of Valley Water and paid for by Valley Water shall become the property of Valley Water and be delivered to Valley Water prior to expiration of this Agreement.
 3. Travel expenses are reimbursed at actual costs. Travel and overnight accommodations, including per diem, required for performance of this Agreement will be paid at reasonable cost not to exceed the U.S. General Services Agency Per Diem Rates for Sunnyvale/Palo Alto/San Jose, California area, provided prior approval has been obtained from Valley Water Project Manager. For air travel, Valley Water will pay the cost of a coach class or equivalent ticket. Where air travel is required, Valley Water will pay the total cost of taxi, rideshare, public transportation, or a rental car, which may include insurance, gas, car fee, and taxes and will be paid at the actual costs incurred. Vehicle rental is limited to a compact or economy model, unless prior approval has been obtained from Valley Water Project Manager for a different type of vehicle.
 4. Expenses incurred by the Consultant for Subconsultants, subcontractors and vendors, including lab services, will be reimbursed at actual cost plus 5%. Consultant shall provide invoices for all such services regardless of cost. The 5% markup will be applied only once, either by the Consultant or by its subconsultants, subcontractors, or vendors.
- D. For staff with rates exceeding the rate of \$[RATE LIMIT]/hr, the Consultant must obtain written approval from the District Project Manager as to the numbers of hours per task prior to that individual working on the Project. [NOT USED]

E. **Prevailing Wage Requirements**

1. The Scope of Services described in Tasks 1- 6 is considered by Valley Water to be "Public Works" requiring the payment of prevailing wages. See the Revised Standard Consultant Agreement Section Four, Fees and Payments, subsection 3. Prevailing Wages.
2. In accordance with prevailing wage laws, the Director of the California Department of Industrial Relations (Director) has ascertained the general prevailing rate of wages and employer payments for health and welfare, pension, vacation, and similar purposes available to the particular craft, classification, or type of workers employed on the Project. These rates are set forth in the latest determination obtained from the Director, which is on file in Valley Water's Office of the Clerk of the Board of Directors and incorporated herein by reference the same as though set forth in full. The

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

rates are also available on the State of California Department of Industrial Relations website at <http://www.dir.ca.gov>.

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

HOURLY RATE SCHEDULE

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Consultant: Kleinfelder		
Principal/Project Manager	\$280	\$287
Principal Professional	\$218	\$224
Senior Professional	\$160	\$164
Project Professional	\$150	\$154
Staff Professional	\$140	\$144
Professional/Senior Technician	\$120	\$123
CADD Operator	\$130	\$133
Administrative	\$110	\$113
Kleinfelder Testing Lab		
Soils Tests		
Standard Proctor		\$245
Modified Proctor		\$245
Proctor Check Point		\$140
Proctor Oversize Correction		\$75
Treated Soil Proctor		\$320
Minimum and Maximum Relative Density		\$425
Maximum Density by Vibratory Hammer		\$550
Moisture/Density, TEX 113-E		\$275
Moisture/Density, TEX 114-E		\$275
California Impact, CT 216, Dry Method		\$225
California Impact, CT 216, Wet Method		\$225
Visual Classification		\$30
Sieve Analysis, % Finer than 200 Sieve		\$90
Sieve Analysis, Fine		\$130
Sieve Analysis, Coarse		\$130
Sieve Analysis, Coarse and Fine		\$165
Hydrometer Analysis (Requires a Sieve Analysis, not included)		\$185
Water Content		\$25
Water Content and Dry Unit Weight		\$45
Atterberg Limits, Single Point		\$120
Atterberg Limits, Multiple Point		\$185
Atterberg Limits, Liquid Limit Only		\$115
Soil Specific Gravity		\$225

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Soil Organic Content		\$125
Fiber Content of Peat Soils		\$270
Soil pH		\$60
Soil Resistivity		\$160
Chloride Content		\$70
Sulfate Content		\$60
Thermal Resistivity, Per Point		\$325
Thermal Resistivity, Dry-Out Curve		\$950
Standard Proctor		\$245
Modified Proctor		\$245
Proctor Check Point		\$140
Proctor Oversize Correction		\$75
Treated Soil Proctor		\$320
Minimum and Maximum Relative Density		\$425
Maximum Density by Vibratory Hammer		\$550
Moisture/Density, TEX 113-E		\$275
Moisture/Density, TEX 114-E		\$275
California Impact, CT 216, Dry Method		\$225
California Impact, CT 216, Wet Method		\$225
Resistance R-Value		\$325
Resistance R-Value of Treated Material		\$375
Rock Correction for R-Value		\$85
Stabilized Soil UC Strength, 1 Point (<i>proctor not included</i>)		\$175
Stabilized Soil UC Strength, Set of 3		\$950
CT373, 1 Lime Content, w/o Opt. Moist.		\$175
CT373, 1 Lime Content		\$370
CT373, 3 Lime Contents		\$1,100
Eades and Grim Test (Opt. Lime Content)		\$195
CTB Strength, Individual Specimen		\$185
CTB Strength, Set of 3, Without Design		\$420
CTB Complete Mix Design		\$6,500
Pocket Penetration Value		\$30
Unconfined Compressive Strength		\$140

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Direct Shear, 1 Point		\$150
Direct Shear, 3 Points		\$390
Direct Shear, Residual Strength, Each Pt		\$250
Consolidation without Time Rate Plots		\$345
Consolidation with 2 Time Rate Plots		\$450
Consolidation, All Loads with Time Rates		\$630
Collapse Potential		\$250
One Dimensional Swell - Wetting After Loading, Series		\$300
One Dimensional Swell - Wetting After Loading		\$175
One Dimensional Swell - Loading After Wetting		\$475
Expansion Index		\$195
Permeability, Rigid Wall		\$450
Permeability, Flexible Wall		\$390
Triaxial Compression, CU, 1 Point		\$500
Triaxial Compression, CU, 3 Points		\$1,350
Triaxial Compression, UU, 1 Point		\$210
Triaxial Compression, UU, 3 Points		\$630
Triaxial Compression, UU Saturated, 1 Point		\$300
Triaxial Test, TEX117E, Part I		\$1,950
Triaxial Test, TEX117E, Part II		\$1,950
Concrete Tests		
Concrete Compression		\$32
Concrete Core Compression		\$85
Concrete Flexural Strength		\$105
Concrete Core Thickness		\$45
Concrete Laboratory Trial Batch*		\$1,350
Concrete Cylinder Unit Weight		\$160
Non-Shrink Grout Compression		\$32
CLSM Compression		\$45
RCC Compression		\$65
RCC Air Content		\$50
RCC Unit Weight		\$50
Equipment		
Coring Machine		\$85.00 /day

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Coring Machine with Generator		\$165.00 / day
Cylinder Mold		\$3.00 each
Diamond Bit Core Barrel Charge		
3" Diameter		\$3.30 / inch
4" Diameter		\$4.40 / inch
6" Diameter		\$6.60 / inch
Hand Auger and Soil Sampler		\$75.00 /day
Nuclear Soil Density/Moisture Gauge		\$75.00 / day
Office Equipment		
Reproduction (Per Page)		\$0.65
Report Surcharge (Per Copy)		\$44.00
Bond Cost for CADD (Per Square Foot)		\$0.60
CADD Workstation (Per Hour)		\$15.75
Environmental Sampling and Testing Equipment		
Soil and Water		
Bailers - 1.6"		\$5.25/each
2 X 6 Brass Tubes		\$10.00/each
Air and Gas		
Photo Ionization Detector (Per Day)		\$200.00/each
Photo Ionization Detector (Half Day)		\$31.00/each
Photo Ionization Detector (Per Hour)		\$21.00/each
Photo Ionization Detector (Per Month)		\$895.00/each
Photo Ionization Detector (PID) Weekly		\$420.00/each
Geophysical Exploration		
Seismic Geophysical Survey Equip (Per Day)		\$525.00/day
Seismo/12 CH Nimbus ES-1210F (Per Day)		\$590.00/day
Subconsultant: 1st Call Utility Locating		
1 st 2 hours		\$460.00
Each Additional Hour		\$175/hour
AutoCad Sketch		\$120.00/hour
Travel		\$150.00/hour
Subconsultant: A3GEO, Inc		
Principal	\$208.75	\$213.97
Senior Professional	\$170.21	\$174.47

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Project Professional	\$144.52	\$148.13
Staff Professional/Technician	\$123.65	\$126.74
Graphics	\$112.39	\$115.20
Administrative	\$107.18	\$109.86
Laboratory Testing - A3Geo, Inc		
Moisture Content (ASTM D2216)		\$15.00
Moisture and Density (ASTM D2937)- 2.5-inch Diameter		\$25.00
Moisture and Density (ASTM D2937)- 3.0-inch Diameter		\$35.00
#200 Sieve Wash (ASTM D1140)		\$80.00
Sieve w/Percent Passing #200 (ASTM D422)		\$110.00
Sieve w/Hydrometer (ASTM D422)		\$180.00
Plastic and Liquid (Atterberg) Limits (ASTM D 4318)		\$230.00
Modified Proctor Compaction - 4" Mold (ASTM D 1557)		\$260.00
Modified Proctor Compaction - 6" Mold (ASTM D 1557)		\$310.00
Modified Proctor Compaction Check Point (ASTM D 1557)		\$105.00
Field Vehicle and Equipment (per hour)		\$15.00/hour
Subconsultant: B.A.T.S. Traffic Solutions		
Traffic Control, 2 Man 4 Hour Weekday Rate (Time above 4 hours on site charge at 8 hour rate)		\$1,020.00/unit
Traffic Control, 2 Man 8 Hour Weekday Rate		\$1,590.00/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$130.00/hour
Traffic Control, 2 Man 10 Hour Weekday Rate		\$2,020.00/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$130.00/hour
Traffic Control, 2 Man 12 Hour Weekday Rate		\$2,540.00/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$130.00/hour
Traffic Control, 2 Man 4 Hour Saturday Rate (Time above 4 hours on site charge at 8 hour rate)		\$1,190.00/unit
Traffic Control, 2 Man 8 Hour		\$1,930.00/unit

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Saturday Rate		
Traffic Control, Time above 8 hours on site (Saturday) per traffic tech		\$140.00/hour
Traffic Control, 2 Man 10 Hour Saturday Rate		\$2440.00/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$140/hour
Traffic Control, 2 Man 12 Hour Saturday Rate		\$3,000/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$140/hour
Traffic Control, 2 Man 4 Hour Sunday/Holiday Rate (Time above 4 hours on site charge at 8 hour rate)		\$1,360/unit
Traffic Control, 2 Man 8 Hour Sunday/Holiday Rate		\$2,270/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$150/hour
Traffic Control, 2 Man 10 Hour Sunday/Holiday Rate		\$2,780/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$150/hour
Traffic Control, 2 Man 12 Hour Sunday/Holiday Rate		\$3,380/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$150/hour
Traffic Control, 3 Man 8 Hour Weekday Rate		\$2,225 /unit
Traffic Control, Time above 8 hours on site per traffic tech		\$130/hour
Traffic Control, 3 Man 10 Hour Weekday Rate		\$2,870/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$130/hour
Traffic Control, 3 Man 12 Hour Weekday Rate		\$3,650/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$130/hour
Traffic Control, 3 Man 4 Hour Saturday Rate (Time above 4 hours on site charge at 8 hour rate)		\$1,625/unit
Traffic Control, 3 Man 8 Hour Saturday Rate		\$2,735/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$140/hour
Traffic Control, 3 Man 10 Hour Saturday Rate		\$3,500

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Traffic Control, Time above 10 hours on site per traffic tech		\$140/hour
Traffic Control, 3 Man 12 Hour Saturday Rate		\$4,340/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$140/hour
Traffic Control, 3 Man 4 Hour Sunday/Holiday Rate (Time above 4 hours on site charge at 8 hour rate)		\$1,880/unit
Traffic Control, 3 Man 8 Hour Sunday/Holiday Rate		\$3,245/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$150/hour
Traffic Control, 3 Man 10 Hour Sunday/Holiday Rate		\$4,010/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$150/hour
Traffic Control, 3 Man 12 Hour Sunday/Holiday Rate		\$4,910/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$150/hour
Traffic Control, 4 Man 4 Hour Weekday Rate (Time above 4 hours on site charge at 8 hour rate)		\$2,040/unit
Traffic Control, 4 Man 8 Hour Weekday Rate		\$3,180/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$130/hour
Traffic Control, 4 Man 10 Hour Weekday Rate		\$4,040/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$130/hour
Traffic Control, 4 Man 12 Hour Weekday Rate		\$5,080/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$130/hour
Traffic Control, 4 Man 4 Hour Saturday Rate (Time above 4 hours on site charge at 8 hour rate)		\$2,380/unit
Traffic Control, 4 Man 8 Hour Saturday Rate		\$3,860/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$140/hour
Traffic Control, 4 Man 10 Hour Saturday Rate		\$4,880/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$140/hour

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Traffic Control, 4 Man 12 Hour Saturday Rate		\$6,000/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$140/hour
Traffic Control, 4 Man 4 Hour Sunday/Holiday Rate (Time above 4 hours on site charge at 8 hour rate)		\$2,720/unit
Traffic Control, 4 Man 8 Hour Sunday/Holiday Rate		\$4,540/unit
Traffic Control, Time above 8 hours on site per traffic tech		\$150/hour
Traffic Control, 4 Man 10 Hour Sunday/Holiday Rate		\$5,560/unit
Traffic Control, Time above 10 hours on site per traffic tech		\$150/hour
Traffic Control, 4 Man 12 Hour Sunday/Holiday Rate		\$6,760/unit
Traffic Control, Time above 12 hours on site per traffic tech		\$150/hour
Standard Traffic Control Plan (3-5 business day, PDF)		\$300/sheet
Rush Traffic Control Plan (1-2 business day, PDF)		\$400/sheet
Bulk Traffic Control Plans (lead time varies), 5 or more sheets		\$200/sheet
Engineer stamped Traffic Control Plans (lead time varies), per sheet		\$650/sheet
Arrow Board/FAS, rental per day		\$70/each
Arrow Board/FAS, rental per week		\$190/each
Arrow Board/FAS, rental per month		\$475/each
PCMS/Message Board, rental per day		\$190/each
PCMS/Message Board, rental per week		\$550/each
PCMS/Message Board, rental per month		\$1,100/each
Light Tower, rental per day		\$170/each
Light Tower, rental per week		\$475/each
Light Tower, rental per month		\$1,185/each
Water Wall, 6' Segment Orange (water & install not incl), rental per day		\$12/each
Water Wall, 6' Segment Orange (water & install not incl), rental per week		\$30/each
Water Wall, 6' Segment Orange		\$75/each

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
(water & install not incl), rental per month		
Cone, 28" reflective w/ 10 lb base, rental per day		\$0.50/each
Cone, 28" reflective w/ 10 lb base, rental per week		\$3/each
Cone, 28" reflective w/ 10 lb base, rental per month		\$10/each
Delineator tube with base - yellow or white, rental per day		\$0.5/each
Delineator tube with base - yellow or white, rental per week		\$3/each
Delineator tube with base - yellow or white, rental per month		\$10/each
Urbanite temporary PED barricade 6' segment, rental per day		\$4/each
Urbanite temporary PED barricade 6' segment, rental per week		\$10/each
Urbanite temporary PED barricade 6' segment, rental per month		\$25/each
SLED TL3 crash cushion (water & install not incl), rental per day		\$60/each
SLED TL3 crash cushion (water & install not incl), rental per week		\$250/each
SLED TL3 crash cushion (water & install not incl), rental per month		\$1,000/each
Type I barricade, rental per day		\$1.50/each
Type I barricade, rental per week		\$3.75/each
Type I barricade, rental per month		\$12/each
Type III barricade, rental per day		\$2.50/each
Type III barricade, rental per week		\$6.25/each
Type III barricade, rental per month		\$17/each
Barricade Light, rental per day		\$1/each
Barricade Light, rental per week		\$5/each
Barricade Light, rental per month		\$18/each
Standard 12"x18" 'No Parking sign', purchase item		\$4.50/each
Type I barricade, rental per month		\$12/each
Placement fee for No parking signs and barricades		\$100
Attenuator truck w/ driver - 8		\$1,615/unit

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Hour Weekday		
Time above 8 hours on site per traffic tech		\$130/hour
Attenuator truck w/ driver - 8 Hour Saturday		\$1,785/unit
Time above 8 hours on site per traffic tech		\$140/hour
Attenuator truck w/ driver - 8 Hour Sunday		\$1,955/unit
Time above 8 hours on site per traffic tech		\$150/hour
Subconsultant: Bennett Trenchless Engineers		
Principal		\$260/hour
Senior Project Manager		\$230/hour
Senior Scientist		\$215/hour
Subconsultant: Britton Exploration, Inc.		
CME 55 Track Rig with 3 person crew		\$250/hour
Continuous Sampling System (Dry Core)		\$250/hour
Diamond Core drilling (HQ3 wire line)		\$250/hour
Support truck 4 X 4		\$175/day
Premium Time (after 8 hours, nights, Sat.)		\$350/hour
Prevailing Wage Rate		\$350/hour
Prevailing Wage overtime		\$450/hour
Per Diem		\$150/per person
Subcontractor/Additional Equipment		Actual+ 5%
Subconsultant: Cerco Analytical		
Principal		\$230
Senior Corrosion Engineer		\$215
Corrosion Design Specialist		\$185
Corrosion Project Supervisor		\$180
Project Engineer		\$175
Corrosion Technician		\$145
Laboratory Director		\$180
Chemist		\$140
Field Technician		\$150
Secretarial/ Word Processing		\$80

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Quality Assurance Reports		\$10.00/report
Reproduction		\$0.25/copy
<u>General Chemical Analysis - Soil</u>		
Sample Preparation		\$25
Chloride EPA 300.0, ASTM D4327, CT 422(b)		\$32
Conductivity ASTM D1125M		\$22
Moisture (1) ASTM D2216, CT 226(c)		\$35
Nitrate-Nitrogen EPA 300.0, ASTM D4327		\$32
pH: EPA 150.1, ASTM D4972, CT 643(a)		\$22
pH ASTM G51		\$55
Redox Potential: ASTM D1498 ASTM G200-09		\$38 \$75
Resistivity (1), Minimum CT 643(a)		\$145
100% Saturation ASTM G57		\$70
As Received ASTM G57		\$65
Sulfate EPA 300.0, ASTM D4327, CT 417(b)		\$32
Sulfide ASTM D4658M		\$38
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Subconsultant: Conetec		
Weekday mobilization & demobilization, (weekend premium +30% on mobe and rig rates), 30 ton Truck		\$7.50/mi.
Weekday mobilization & demobilization, (weekend premium +30% on mobe and rig rates), 25 ton truck		\$7.50/mi.
Weekday mobilization & demobilization, (weekend premium +30% on mobe and rig rates), 15 ton truck		\$7.50/mi.
Full day, 9-hours on-site, 30 ton truck		\$3,500
Full day, 9-hours on-site, 25 ton truck		\$3,500
Full day, 9-hours on-site, 15 ton truck		\$4,500
Half day minimum, up to 5 hours on-site, 30 ton truck		\$2,500
Half day minimum, up to 5 hours		\$2,500

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
on-site, 25 ton truck		
Half day minimum, up to 5 hours on-site, 15 ton truck		NA
Hourly rate from 5- to 9-hours (1/4-hour increments), 30 ton truck		\$250
Hourly rate from 5- to 9-hours (1/4-hour increments), 25 ton truck		\$250
Hourly rate from 5- to 9-hours (1/4-hour increments), 15 ton truck		NA
Hourly rate over 9 hours, 30 ton truck		\$475
Hourly rate over 9 hours, 25 ton truck		\$475
Hourly rate over 9 hours, 15 ton truck		\$525
Prevailing Wage labor adjustment, up to 8 hours, per 2-person crew		\$135/hour
Prevailing Wage labor adjustment, overtime & Saturday, per 2-person crew		\$185/hour
Per diem (per 2-person crew for overnight stays on multi-day jobs)		\$375/day
Concrete Coring, 4-inch dia. (limited capabilities)		\$200/day & \$50/core
Support truck		\$175/day
Hole completion (grouting), includes consumables		\$50/sounding
Groundwater sampling, includes consumables		\$1/foot
Seismic shear wave velocity profiling		\$15 / meter
Consumable Materials 47-lb sack of Portland cement or 50-lb sack bentonite		\$20 / each
60 pound sack of AC cold patch or quickset concrete		\$20/each
4-foot clear sample liners with end caps		\$15/each
6-inch stainless steel sample liners with end caps		\$10/each
IDW drums (rinsate, soil, etc.)		\$100/each
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Subconsultant: Cooper Testing Lab		
Atterberg Limits	\$171	\$175
Moisture & Density	\$25	\$26

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Sieve	\$115	\$118
Bulk Sieve	\$186	\$191
UU Triaxial (w/saturation)	\$246	\$252
CU Triaxial (3 points)	\$1482	\$1519
Direct Shear (1 point)	\$219	\$224
Falling-head Permeability	\$334	\$342
Consolidation	\$395	\$405
Compaction Modified Proctor 6-inch	\$327	\$335
Corrosivity (Caltrans Package)	\$254	\$260
Subconsultant: Cuesta Geo		
Yard prep/ project setup/ de-prep tooling.		\$155
Mobilization to/ from site. 2 man crew.		\$155
Drilling, coring, sawcut - straight time. 2 man crew/ hourly		\$285
OT/ weekend hourly		\$363
Per day - Transport-support vehicle and 10k trailer/ Generator/ on board inverter.		\$175
Per day - Canycom track mounted transport		\$65
Sacks cement		\$17
Rapid set/ black dye		\$26
Shelby Tubes		\$48
55 gallon drum		\$94
Visqueen roll 20' x 100'		\$205
Type I Barricades, daily		\$0.45
Type I Barricades, weekly		\$2.50
Type I Barricades, monthly		\$8.00
CMS Boards, daily		\$160
CMS Boards, weekly		\$500
CMS Boards, monthly		\$1,200
Type I Barricades w/Light, daily		\$0.65
Type I Barricades w/Light, weekly		\$3.50
Type I Barricades w/Light, monthly		\$10
Arrowboards, daily		\$50
Arrowboards, weekly		\$200
Arrowboards, monthly		\$500
Type 3 Barricade, daily		\$2.00

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Type 3 Barricade, weekly		\$8.00
Type 3 Barricade, monthly		\$25
Type 3 Barricade w/Light, daily		\$3.00
Type 3 Barricade w/Light, weekly		\$10
Type 3 Barricade w/Light, monthly		\$35
Beacons w/Stand, daily		\$15
Beacons w/Stand, weekly		\$65
Beacons w/Stand, monthly		\$100
Low Profile Barricade w/2 Lights (Airport), daily		NA
Low Profile Barricade w/2 Lights (Airport) , weekly		\$29
Low Profile Barricade w/2 Lights (Airport) , monthly		\$45
Channelizer Barrel, daily		\$3.00
Channelizer Barrel, weekly		\$10
Channelizer Barrel, monthly		\$30
Waterwall 6', daily		NA
Waterwall 6', weekly		\$20
Waterwall 6', monthly		\$50
Radar Trailer, daily		\$100
Radar Trailer, weekly		\$250
Radar Trailer, monthly		\$600
Waterwall 6' With Fence, daily		NA
Waterwall 6' With Fence, weekly		\$30
Waterwall 6' With Fence, monthly		\$60
Crowd Control Barricades (price per 6ft section), daily		\$3.00
Crowd Control Barricades (price per 6ft section), weekly		\$10
Crowd Control Barricades (price per 6ft section) , monthly		\$30
Flagger Joe (Flagging Station) Each, daily		\$25
Flagger Joe (Flagging Station) Each, weekly		\$75
Flagger Joe (Flagging Station) Each, monthly		\$200
Traffic Cones 28", daily		\$0.45
Traffic Cones 28", weekly		\$2.50
Traffic Cones 28", monthly		\$8.00
Flagger Joe (Flagging Station) Set, daily		\$35
Flagger Joe (Flagging Station) Set, weekly		\$100

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Flagger Joe (Flagging Station) Set, monthly		\$350
Delineator w/Base, daily		\$0.45
Delineator w/Base, weekly		\$2.50
Delineator w/Base, monthly		\$8.00
Rumble Strips (3 Piece Array), daily		\$65
Rumble Strips (3 Piece Array), weekly		\$250
Rumble Strips (3 Piece Array), monthly		\$750
Delineator Base, daily		\$0.25
Delineator Base, weekly		\$1.00
Delineator Base, monthly		\$3.00
<u>Automated Flaggers/Traffic Signals</u> , daily		Call for Price
<u>Automated Flaggers/Traffic Signals</u> , weekly		Call for Price
<u>Automated Flaggers/Traffic Signals</u> , monthly		Call for Price
Roll Up Sign w/Flags, daily		\$3.50
Roll Up Sign w/Flags, weekly		\$15
Roll Up Sign w/Flags, monthly		\$45
SLED-TL2, daily		NA
SLED-TL2, weekly		\$195
SLED-TL2, monthly		\$450
Sign Stand, daily		\$3.50
Sign Stand, weekly		\$15
Sign Stand, monthly		\$45
SLED-TL3, daily		NA
SLED-TL3, weekly		\$250
SLED-TL3, monthly		\$750
Aluminum Sign Small (35" and Under) (In Stock), daily		\$2.00
Aluminum Sign Small (35" and Under) (In Stock), weekly		\$6.00
Aluminum Sign Small (35" and Under) (In Stock), monthly		\$18
Crash Cushion Barrels TS-41, daily		NA
Crash Cushion Barrels TS-41,		\$125

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
weekly		
Crash Cushion Barrels TS-41, monthly		\$525
Aluminum Sign Large (36" and Up) (In Stock), daily		\$4.00
Aluminum Sign Large (36" and Up) (In Stock), weekly		\$12
Aluminum Sign Large (36" and Up) (In Stock), monthly		\$36
Crash Cushion Barrels TS-11, daily		NA
Crash Cushion Barrels TS-11, weekly		\$100
Crash Cushion Barrels TS-11, monthly		\$475
<p>*Crash Cushion Barrels, Waterwall, & Absorbs do not include setup and filling. *Delivery fee TBD based on job location, quantity, weekend and/or night deliveries *Delivery and Pick Up charges apply to all orders Delivered or Picked Up *There is \$50 Minimum on all rental orders (No Exceptions)</p>		
Subconsultant: Exploration Geoservices		
Drill Rig w/2-man Crew (On Site)	\$215/hour	\$225/hour
Drill Rig w/2-man Crew (Travel)	\$215/hour	\$322/hour
2-man Crew Only (Yard Prep/Deprep)		\$240/hour
Premium-Time Surcharge (See Below)		\$341/hour
Mud Rotary		\$128/day
Support Truck (Daily Rental + Hourly Travel Surcharge)		\$92/day
Low-Overhead Drill		\$82/day
2-Ton Flatbed Truck		\$72/day
Premium-time surcharge - OT		\$82 (Hr>8 Day; Nite; Hr<8 Sat) \$165 (Hr>12 Day; Hr>8 Sat/Nite; All Sun)
Per Diem		\$385.00
Prevailing Wage Job		Base Surcharge = \$135/Hr; Overtime Extra=\$98/Hr
Certified payroll report and associated compliance documents		\$385/JOB
ENVIRONMENTAL JOB (Requires Hazmat Certs, Level-C Safety Eqp, Steam-Cleaned Augers, Etc.)		\$100/Day

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Subconsultant: Geotech Utility Locating		
<u>One Man Crew</u>		
First Hour Onsite	\$310	\$310
Every Additional Hour	\$155	\$155
<u>Prevailing Wage One Man Crew</u>		
Prevailing Wage - First Hour onsite		\$380
Prevailing Wage - Additional Hour		\$190
<u>Two Man Crew</u>		
First hour on site		\$400
Every additional hour		\$200
<u>Prevailing Wage Two Man Crew</u>		
First hour on site		\$450
Every additional hour		\$225
CAD Drafting	\$145	\$145
Travel, per hour (Only applies outside of Bay Area Locations)	\$125	\$125
Subconsultant: Gregg Drilling LLC		
Mud Rotary Drill Rig (Fraste FS400/Gefco) - 3-person crew		\$670/hour
Mud Rotary Drill Rig (Fraste Multidrill XL) - 2-person crew		\$495/hour
Truck-Mounted Hollow Stem Augers - 2-person crew		\$420/hour
Truck-Mounted Direct Push Rig - 1-person crew		\$210/hour
SONIC Drill Rig - 3-person crew		\$650/hour
Track-Mounted Auger/Direct Push Rig - 2-person crew		\$300/hour
Truck-Mounted Development Rig - 1-person crew		\$190/hour
Air Vacuum Rig - 2-person crew		\$225/hour
Truck-mounted 30 Ton CPT Rig - 2-person crew, Cone Penetrometer Testing		\$385/hour
<u>Other Labor Costs</u>		
Additional Technician (extra helper) ADD:		\$75/man/hour
Premium Time >8 hours per day, nights, Saturday		\$50/man/hour
ADD:		

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Premium Time Sunday ADD:		\$75/man/hour
Level C Protection (per day or portion) ADD:		\$100/man/hour
Daily Crew Travel When Rig is Left on Site		\$90/man/hour
Per Diem		\$250/man/day
Project Management		\$110/hour
Project Assistant		\$70/hour
Admin Assistant		\$55/hour
Equipment		
SPT Energy Calibration		\$2,000/day
Steam cleaner		\$150/day
Mud system (mud rotary as needed)		\$225/day
Support truck (pick-up)		\$150/day
Support truck (stake-bed)		\$200/day
Support truck (water-truck)		\$400/day
Air Compressor		\$450/day
Portable water trailer		\$150/day
Bobcat/Forklift		\$300/day
Bobcat/Forklift Delivery		\$75/hour
Grout Pump on Trailer		\$200/day
Horiba Meter		\$95/day
Submersible Pump		\$175/day
Materials		
1/4" or 1/2" Poly Tubing		\$1/ft.
Asphalt Patch		\$25/bag
Bentonite Pellets		\$60/bucket
Bentonite Pellets (TR30)		\$95/bucket
Bentonite Chips		\$20/bag
Bentonite Powder		\$30/bag
Bollards		\$95/each
Cement - Portland Type II (50 lb bag)		\$15/bag
Concrete - Ready Mix		\$12/bag
Concrete - Quickset		\$25/bag
Core Box - Plastic/Cardboard		\$30/each
Core Box - Wooden		\$75/each
Disposable Bailers		\$25/each
Disposable Tips		\$30/each
Drums - 55 Gallon		\$65/each
Drill mud		\$30/bag
Easy Mud 5-gal		\$250/bucket
Easy Mud Gold 10lb		\$250/bucket

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**REVISED SCHEDULE OC
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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Filter Sand (50lb)		\$18/bag
Sample Liners & Caps - Brass		\$10/each
Sample Liners & Caps - Stainless		\$10/each
Sample Liners & Caps Macro Core		\$10/each
Shelby/Pitcher Tube & Caps		\$75/each
Soda Ash 50lb		\$25/bag
Standpipe		\$250/each
Traffic Cones		\$30/each
Vapor Probe Implant - PVC		\$15/each
Vapor Probe Implant - Stainless		\$60/each
Visqueen (large roll)		\$150/roll
Well Box - 8-inch		\$125/each
Well Box - 12-inch		\$150/each
Wood Plug		\$25/each
2" PVC Screen 0.010" or 0.020"		\$10/ft.
2" PVC Blank casing		\$5.00/ft.
2" PVC threaded end cap		\$10/each
2" PVC slip cap or coupling		\$5/each
2" Locking Cap		\$35/each
4" PVC Screen 0.010" or 0.020"		\$15/ft.
4" PVC Blank casing		\$12/ft.
4" PVC threaded end cap		\$15/each
4" PVC slip cap or coupling		\$10/each
4" Locking Cap		\$45/each
3/4" PVC Screen 0.010" or 0.020"		\$6/ft.
3/4" PVC Blank casing		\$4/ft.
3/4" PVC fittings		\$5/each
Slope Indicator Pipe (2.75")		\$18/ft.
Slope Indicator Pipe Bottom Cap		\$25/each
Slope Indicator Pipe Top Cap		\$10/each
Subconsultant: JDH Corrosion		
Principal Corrosion Engineer		\$230
Senior Corrosion Engineer		\$215
Corrosion Design Specialist		\$185
Corrosion Project Supervisor		\$180
Project Engineer		\$175
Corrosion Technician		\$145
Field Technician		\$125
Drafting/AutoCad		\$115.00
Word Processing/Computer		\$800
Reproduction, Outside Testing & Consulting Services		Cost + 5%

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Subconsultant: Lettis Consultants International, Inc.		
Sr. Principal I	\$246	\$252
Principal	\$192	\$197
Senior	\$154	\$158
Sr. Project	\$132	\$135
Project	\$108	\$111
Sr. Staff	\$89	\$91
Staff	\$71	\$73
Project Support	\$94	\$96
Subconsultant: McCampbell Analytical, Inc.		
8015B/ m		\$100
8015D		\$84
8015Bm		\$67
8015B / 8021B		\$50
Subconsultant: Pitcher Services, LLC		
Mud Rotary Truck Drill- 2 person crew		\$/9hr/Day
Drilling time - Mud Rotary		\$3,600
Drilling time- Mud Rotary w/mud conditioning system		\$4,000
Standby Time & Development Time		\$3,600
Mob/Demob		\$400/hr
Overtime (2 man crew)		\$540/hr
Transportation (when rig can be left on-site)		\$420
Mud Rotary Track Drill - 2 person crew		\$/9hr/Day
Drilling time - Mud Rotary		\$4,000
Standby Time & Development Time		\$4,000
Mob/Demob		\$475/hr
Overtime any hrs over 9 (2man crew)		\$580/hr
Transportation (when rig can be left on-site)		\$420/hr
Overtime Surcharge Rates (2 person crew)		
Night Shift (Premium Time Surcharge)		\$140/hr

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Saturday Shift		\$140/hr
Sunday Shift		\$280/hr
Air Vacuum Rig - 2 person crew		
Rig Time		\$350/hr
Standby Time		\$350/hr
Mob/Demob		\$350hr
Footage Rates		
Drilling Additives (Normal Conditions 5" boring)		\$2.50/ft
Portland Cement Grout (5" boring)		\$3.50/ft
HQ3 Coring Surcharge		\$12.00/ft
101 GeoBarrel Surcharge		\$12.00/ft
PQ Coring Surcharge		\$28.00/ft
Other Labor Costs		
Additional Technician (extra helper)		ADD: \$80/hr.
Premium time for after 8 hours per day, week-end work, night work & holidays		ADD: \$70/man/hr.
Level C Protection (per day or portion)		ADD: \$150/man/day
Per Diem Caltrans Rate:		TBD
Prevailing Wage or Certified Payroll Surcharge		\$100/man day
Transportation per additional tech		\$200/man day
Repair costs		
Waste barrel repair		\$100/each
Equipment		
Decon Station		\$400/day
Mud system (mud rotary as needed)		\$500/day
Support truck (pick-up)		\$250/day
Support truck (stake bed)		\$400/day
Support truck (Lift Gate)		\$400/day
Support Track (Morooka)		\$500/day
Support truck (water-truck)		\$400/day
Materials		
Quik-Gel drilling mud 50lb		\$30/bag
Soda Ash 50lb		\$25/bag
Easy Mud 5-gal		\$250/bucket
Easy Mud Gold 10lb		\$250/bucket
N-Seal 30lb		\$150/bag
Filter Sand		\$13/bag
Coated Bentonite Pellets		\$120/bucket
Bentonite Chips		\$22/bag

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Bentonite Powder		\$30/bag
Ready Mix Concrete 60lb		\$15/bag
Portland Cement Type II 47lb		\$15/bag
Asphalt Patch		\$30/bag
Quickset Concrete		\$18/bag
Wood Plug		\$25/each
7" Traffic Rated Monitoring Well Boxes		\$100/each
8" Traffic Rated Monitoring Well Boxes		\$120/each
12" Traffic Rated Monitoring Well Boxes		\$140/each
Anodized Standpipe		\$200/each
Plastic Liners in 2.5' sections		\$12/ft
Cardboard core Boxes		\$22/box
Wooden Core Boxes		\$55.00/box
PVC core trays		\$5/tray
DOT 17-H 55 Gal. Drums		\$65/each
5-gallon bucket		\$15/each
Brass Sleeves & Caps (6" long)		\$8/each
Stainless Steel Sleeves & Caps (6" long)		\$8/each
Acetate Liners for Macro Core		\$15/each
Visqueen (large roll)		\$150/roll
Disposable Tips		\$25/each
1/4" or 1/2" Tubing		\$0.50/ft
3" Pitcher or Shelby Tube 36" long		\$45/each
Teflon Squares (pack of 100)		\$100/pack
PVC Schedule 40		
2" PVC Screen 0.010" or 0.020"		\$8.00/ft
2" PVC Blank casing		\$6.00/ft
2" PVC threaded end cap		\$12/each
2" PVC slip cap or coupling		\$6/each
2" Locking Cap		\$35/each
4" PVC Screen 0.010" or 0.020"		\$16.00/ft
4" PVC Blank casing		\$12/ft
4" PVC threaded end cap		\$200/each
4" PVC slip cap or coupling		\$12/each
4" Locking Cap		\$50/each
3/4" PVC Screen 0.010" or 0.020"		\$5/ft
3/4" PVC Blank casing		\$4/ft
3/4" PVC fittings		\$3/each

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**REVISED SCHEDULE OC
REVISED ATTACHMENT ONE
FEES AND PAYMENTS**

CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Subconsultant: Taber Drilling, CPT		
Truck-Mounted Drill (2-Man Crew+Typical Support Equipment)	\$260/Hr	\$260/Hr
Premium Truck-Mounted Drill (Over 8 Hours Daily)	\$310/Hr	\$310/ Hr
Track-Mounted Drill (2-Man Crew + Typical Support Equipment)	\$300/Hr	\$300/Hr
Premium Track-Mounted Drill (Over 8 hours Daily)	\$350/Hr	\$350/Hr
Additional Drill Helper (Any Drill)	\$60/Hr	\$60/Hr
Premium Additional Drill Helper (Any Drill)		\$70/Hr
Drill Crew and Equipment Standby or Daily Travel (Any Drill)	\$225/Hr	\$225/ Hr
CPT Testing, Grouted, 20-Ton (Includes Data Report)	\$16/LF	\$16/LF
CPT Testing, Seismic Cone, Grouted, 20-Ton (Includes Data Report)	\$19/LF	\$19/LF
CPT On Site Move / Set-Up and Standby		\$275/Hr
Over-Water Exploration (Barge; 3-Man Crew + Support Equipment)		\$600/Hr
PQ Triple Tube Diamond Bit Charge (Supplemental to Hourly Drill Rates)		\$15/LF
HQ, NQ, Nx, BQ Triple Tube Diamond Bit Charge (Supplemental Rate)		\$12/LF
Cuttings Disposal (By 55-Gallon DOT Drum; Non-Hazardous Only)		\$150/Bbl
Cuttings Disposal (Cuttings in Tank or Bin; Non-Hazardous Only)		\$2.50/Gal
Polaris 6X6 All-Terrain Support Vehicle (Billed Only as Used)		\$125/Dy
Per Diem Expense for Drill or CPT Crew Members (Minimum Rate)		\$165/Dy
SPT Energy Analysis (Site Specific, Includes Report but Not Travel)		\$2,500/LS
Job Materials (Cement, Bentonite, Liners, Plastic Sheeting, etc.)		Cost + 5%

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CLASSIFICATION	Original Hourly/Unit Rates* Effective May 28, 2019	Annual Hourly/Unit Rates Effective October 1, 2020
Outside Support Services (Equipment Rental, Fencing, Traffic Control, etc.)		Cost + 5%

*Additional subconsultants were added through a Valley Water internal administrative process after original Agreement was executed.

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REVISED ATTACHMENT THREE
CONSULTANTS KEY STAFF AND SUBCONSULTANTS**

1. Consultant's key staff assigned to the Project are as follows:

Team Member	Classification	Project Role	Contact Information
Glen Gorski	Project Manager	Project Delivery Manager/Construction Management/Plans and Specifications	380 N 1 st , Suite A San Jose, CA 95112 Phone: 510-459-6297 GGorski@kleinfelder.com
Mark Fuhriman	Senior Principal Professional	Peer Review/ Geotechnical Engineering/ Foundations	1330 Broadway, Suite 1200 Oakland, CA 94612 Phone: 510-628-9000 MFuhriman@kleinfelder.com
Ken Sorensen	Senior Principal Professional	Peer Review / Underground Utilities	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 KSorensen@kleinfelder.com
Joseph Zilles	Senior Principal Professional	Hydrology / Floodplain Engineering	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 JZilles@kleinfelder.com
Rebecca Money	Principal Professional	Task Manager / Floodwalls, Levees & Retaining Walls	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 BMoney@kleinfelder.com
William Godwin	Principal Professional	Engineering Geology	75 E. Santa Clara Street, 6 th Fl. San Jose, CA 95113 Phone: 408-595-3275 BGodwin@kleinfelder.com
Renie Yuen	Senior Professional	Task Manager / Field Exploration	1330 Broadway, Suite 1200 Oakland, CA 94612 Phone: 510-628-9000 RYuen@kleinfelder.com
Sharon Gulliford	Staff Professional	Project Controls	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 SGulliford@kleinfelder.com

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CONSULTANTS KEY STAFF AND SUBCONSULTANTS

Zia Zafir	Principal Professional	Seismic Engineering	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 ZZafir@kleinfelder.com
Alex Wright	Professional	Seismic Engineering	2882 Prospect Park Dr. Rancho Cordova, CA 95670 Phone: 916-366-1700 AWright@kleinfelder.com
Aaron Kidd	Professional/ Senior Technician	KLF Laboratory	2601 Barrington Court Hayward, CA 94545 Phone: 925-225-4580 AKidd@kleinfelder.com

2. The following Subconsultants are authorized to perform services pursuant to this Agreement:

Firm	Project Role	Contact Information
1st Call Utility Locating	Utility Locating	Sedar Tas 4420 Nevin Avenue Richmond, CA 94805 (415) 235-8410 info@1stcallutilitylocating.com
A3GEO, Inc.	Geotechnical Engineering, Engineering Geology	Dona Mann 1331 Seventh Street, Unit E Berkeley, CA 94710 Office: (510) 705-1664 Cell: (415) 425-0247 dona@a3geo.com
Bay Area Traffic Solutions, Inc.	Traffic Control	Justin Bottoms 44800 Industrial Drive Fremont, CA 94538 (916) 257-9561 jbottoms@gobats.net
Bennett Trenchless Engineers	Geotechnical Engineering, Engineering Geology	1082 Sunrise Avenue, Suite 100 Roseville, CA 95661 (916) 783-4100 mail@ben-en.com

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REVISED SCHEDULE OC
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CONSULTANTS KEY STAFF AND SUBCONSULTANTS

Britton Exploration	Drilling	Paul Britton 23051 Evergreen Lane Los Gatos, CA 95033 (408) 355-5781 paul@brittonexploration.com
CERCO Analytical, Inc.	Lab	Darlene Langford 1100 Willow Pass Court, Suite A Concord, CA 94520-1006 (925) 462-2771 darlene@cercoanalytical.com
Conetec	Geotechnical, Environmental, and Marine Site Investigation	John Rogie 820 Aladdin Avenue San Leandro, CA 94577 (510) 357-3677 jrogie@conetec.com
Cooper Testing Lab	Lab	Philip Jackey 937 Commercial Street Palo Alto, CA 94303 (650) 213-8436 philip@coopertestinglabs.com
Cuesta Geo, Inc.	Drilling	Chris Krieg 2709 Kapalua Court Fairfield, CA 94535 (925) 872-1248 kriegchris@sbcglobal.net
D & M Traffic Services	Rentals for Traffic Control	Gabe Magdaleno 845 Reed Street Santa Clara, CA 95050 (408) 436-1127 gabem@dmtraffic.com
Exploration Geoservices, Inc.	Drilling	John Collins 1535 Industrial Avenue San Jose, CA 95112 (408) 280-6822 john@explorationgeo.com
Geotech Utility Locating LLC	Utility Locating	Jennifer Yolosan P.O. Box 6873 Morage, CA 94570 (510) 235-4144 Jyolosan@geotechlocating.com

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CONSULTANTS KEY STAFF AND SUBCONSULTANTS

Gregg Drilling, LLC	CPT, Drilling	Tim Boyd or Chris Christensen 2726 Walnut Avenue Signal Hill, CA 90755 (562) 427-6899 tboyd@greggdrilling.com
JDH Corrosion Consultants, Inc.	Corrosion Engineering	Brendon Hurley 1100 Willow Pass Court Concord, CA 94520 (925) 927-6630 bhurley@jdhcorrosion.com
Lettis Consultants International, Inc.	Engineering Geology	John Baldwin 1000 Burnett Avenue, Suite 350 Concord, CA 94520 Office: (925) 482-0360 (ext. 202) Cell: (925) 818-4651 baldwin@lettisci.com
McCampbell Analytical	Lab/Testing	Beverlyn Madrigal 1534 Willow Pass Road Pittsburg, CA 94565 (925) 252-9262 Beverlyn.Madrigal@mccampbell.com
Pitcher Services, LLC	CPT, Drilling	Terry Shewchuk 218 Demeter Street East Palo Alto, CA 94303 (650) 328-8910 tshewchuk@pitcherservicesllc.com
Taber Drilling	CPT, Driller	Brian Young 536 Galveston Street West Sacramento, CA 95691 (530) 304-3191 byoung@taberdrilling.com

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