



STANDARD ON-CALL CONSULTANT AGREEMENT

Terms and Conditions Template (On-Call Capital)
6/1/24 – 12/31/2026

This agreement (Agreement) is effective once fully executed (Effective Date), by and between SANTA CLARA VALLEY WATER DISTRICT (Valley Water or District), and KLEINFELDER, INC., a California Corporation (Consultant), individually the Party or collectively the Parties.

WHEREAS, Valley Water desires certain services hereinafter described and Consultant affirms it has the requisite experience and expertise, and desires to provide such services.

NOW, THEREFORE, Valley Water and Consultant, for the consideration and upon the Terms and Conditions specified, agree as follows:

SECTION ONE

SCOPE OF SERVICES

The Scope of Services (Services) to be performed pursuant to this Agreement is described in the Schedule, Scope of Services, attached hereto and incorporated herein by this reference (Schedule). Valley Water may require Consultant to provide all or a portion of these services (Services) through subsequently executed task orders (Task Orders). Task Orders will be in the form of the template described in Section Twelve, Miscellaneous Provisions, subsection 13. Task Orders and in the Standard On-Call Consultant Agreement, Appendix Three, Task Order Template. These Services will be provided on an on-call basis (On-Call).

SECTION TWO

DUTIES OF CONSULTANT

1. Performance

- A. Each Scope of Service described in an attached Schedule must be performed by Consultant, or at its direction, to meet the purposes specified in this Agreement. References to "Consultant" herein include those performing any portion of the Services at its direction such as Subconsultants, vendors, suppliers, subcontractors, and other business entities and individuals. Consultant will collaborate with Valley Water staff in engineering, asset management, operations, and maintenance units to be made aware of Valley Water operational constraints, procedures, or preferences relevant to Consultant's performance of the Services described in the attached Schedule.
- B. Unless the requirements for the Services described in the attached Schedule are specifically modified in writing, Consultant must perform Services and provide all deliverables as required.
- C. Consultant shall not undertake any Services not described in the attached Schedule unless authorized in writing by Valley Water prior to the performance of such Services by issuance of a Task Order or pursuant to an amendment to this Agreement signed by both Parties.

2. Consultant Controlled Areas

Consultant is responsible for the security and safety of the area(s) it controls wherein it is required to perform field operations pursuant to the Scope of Services.

3. Licensing

Services performed by Consultant will be undertaken only by persons appropriately licensed, certified, or registered in California, as applicable to the Services described herein, when required by statutes or regulations, as well as pursuant to the relevant standard of care as described in Section Two, Duties of Consultant, subsection 11. Standard of Care. Examples of such Services include those performed by: California State Licensed Contractors, Professional Engineers and Architects, Inspectors, and Surveyors. Consultant shall make available upon Valley Water's request documentation of qualifications and licensing of personnel performing Services described herein. Consultant must be registered with the California Department of Labor Standards Enforcement if the Services or a portion thereof is determined to be "Public Works" pursuant to California Labor Code §1720(a)(1).

4. Valley Water's Approval of Deliverables

Deliverables prepared by Consultant, notwithstanding acceptance and approval by Valley Water, which Valley Water determines must subsequently be modified due to errors or omissions, will be corrected at no additional cost to Valley Water.

5. Errors and Omissions

The Services may include preparation of deliverables by Consultant to be implemented in a public works construction project. Consultant is responsible for any direct or actual damages incurred by Valley Water which Valley Water determines result from Consultant's errors or omissions in Consultant's deliverables, including, but not limited to, any increase in the Valley Water's payment(s) due to its construction contractor, which increase is directly attributable to required revisions to the construction Contract Documents to the extent caused by Consultant's negligent acts, errors, or omissions.

6. Valley Water Standardization Requirements

- A. Consultant shall perform the Services utilizing Valley Water nomenclature, standardized forms, software requirements, documented procedures, and best management practices. Consultant shall use Microsoft Office software and Autodesk Civil 3D software that is compatible with Valley Water's current Microsoft Office software and Autodesk software used at the time(s) Valley Water issues a Notice to Proceed pursuant to this Agreement.
- B. Engineering drawings prepared by Consultant must be in compliance with Valley Water's Computer-Aided Design and Drafting (CADD) standards including line types, line weights, text sizes, text orientation, dimensioning, labeling/numbering system for detailed plan views and detailed section views. Drawings prepared using different CADD software and versions must be converted to be compatible with Valley Water's CADD software at no additional cost to Valley Water. Prior to acceptance, Valley Water reserves the right to test the submitted CADD files to verify that the files are not corrupted or missing linkages

(for blocks, etc., used in the drawings) and that the standards are retained during the conversion process used by Consultant.

7. Consultant's Key Staff and Subconsultants

- A. Consultant's Key Staff and firms subcontracted by Consultant (Subconsultants) assigned to perform the Services are identified in the Schedule(s), Scope of Services, Attachment Three, Consultant's Key Staff and Subconsultants.
- B. The Project team organization chart and delegated responsibilities of each team member will be submitted to Valley Water for concurrence.
- C. Consultant may utilize Subconsultants, subcontractors, suppliers, or vendors it deems appropriate to the complexity and nature of the required Services.
 - 1) Consultant must obtain Valley Water's approval of all Subconsultants. Upon Valley Water's request, Consultant must provide copies of all Subconsultant agreements.
 - 2) Consultant must require its delegates or Subconsultants to agree, in writing, to adhere to Terms and Conditions of this Agreement.
- D. Any delegation or use of Subconsultants by Consultant will not operate to relieve Consultant of its responsibilities as described in this Agreement.
- E. If any of Consultant's designated key staff persons or Subconsultants fail to perform to the satisfaction of Valley Water, on written notice from Valley Water, Consultant will have 15 calendar days to remove that person from the Project and provide a replacement acceptable to Valley Water.
- F. Consultant will not charge Valley Water for the time it takes Consultant's replacement personnel to obtain Valley Water-specific Project knowledge in the possession of the person(s) being replaced.
- G. Consultant's Key Staff: Valley Water's Project Manager (Valley Water Project Manager) or authorized representatives may approve any revisions to Consultant's list of key staff assigned to the Project as an administrative modification to this Agreement, and such approval will be confirmed in writing.
- H. Consultant's Subconsultants
 - 1) Valley Water's authorized representatives may approve any revisions to Consultant's list of authorized Subconsultants when the Subconsultant is deleted from the list and the Scope of Services is deleted from the Agreement or such services are assumed by Consultant; such approval will be confirmed in writing.
 - 2) Valley Water's authorized representative may approve any revisions to Consultant's list of authorized Subconsultants when a listed Subconsultant is replaced (to perform the same Scope) or a new Subconsultant is added (to perform new Scope), provided the firm complies with all insurance requirements established by the Valley Water for such work; such approval will be confirmed in writing.

8. Compliance with All Laws

- A. Consultant's performance must be in compliance with the most current versions of any and all laws relevant to the Services it performs pursuant to this Agreement, including, but not limited to adherence to: all applicable governmental laws, statutes, ordinances, rules, codes, regulations, orders, and other requirements; governmental requirements applicable to state and federal compliance with the Professional Land Surveyors Act; state and federal Endangered Species Act; state and federal water quality laws; and all other state and federal laws or regulations regarding environmental protection and compliance, health, safety, wages, hours, equal employment opportunity, nondiscrimination, working conditions, and transportation. In the event that Valley Water's assistance is necessary to achieve such compliance, Consultant shall promptly notify Valley Water.
- B. Consultant shall provide, at Valley Water's request, documentation demonstrating Consultant's compliance with all laws as described herein. After reasonable notice and according to reasonable conditions, Valley Water has the right to inspect and copy any records of Consultant regarding such compliance.
- C. Consultant represents and warrants that neither Consultant nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal government department or agency.

9. Occupational Safety and Health

- A. Consultant will perform the Services in compliance with the most current versions of all laws, standards, rules, and regulations of the Occupational Safety and Health Act, and all state and federal laws and regulations relating to safety and health standards. Consultant shall perform the Services in compliance with, will furnish only supplies, articles, and equipment that comply with such laws, standards, and regulations.
- B. Consultant shall immediately notify Valley Water in the event of any personal injury accident or occurrence occurring during the performance of the Services. Upon Valley Water's request, Consultant shall provide Valley Water with documentation fully describing the accident and injury and the actions implemented to prevent similar occurrences.

10. Consultant as Independent Contractor

Consultant will perform all Services as an independent contractor and not an agent or employee of Valley Water. Consultant represents and warrants that it and its contractors who are performing any of the Services as Subconsultants will perform such Services as an independent contractor, and neither Consultant nor Subconsultants nor their employees are the servants, agents or employees of Valley Water. Except as expressly provided in this Agreement, Valley Water exercises no direction, supervision or control over Consultant, its employees, agents, or Subconsultants.

11. Standard of Care

- A. Consultant must possess and maintain during the term of this Agreement all certifications, licenses, permits, and qualifications to perform the Services and prepare all deliverables. Consultant must perform all Services and prepare all deliverables in accordance with those standards and practices of care, skill, and diligence that are generally recognized and customarily observed by competent persons in Consultant's area of specialty in the State of California at the time such Services are rendered.
- B. Consultant shall perform the Services and prepare all deliverables without any errors or omissions, and in accordance with Section Two, Duties of Consultant, subsection 8. Compliance with All Laws.
- C. Consultant and its Subconsultants must perform the Services in compliance with all applicable written federal, state and local codes, statutes, laws, regulations, and ordinances, including, but not limited to, environmental, energy conservation, and disabled access requirements as per the provisions of Section Two, Duties of Consultant, subsection 8. Compliance with All Laws.

SECTION THREE

DUTIES OF VALLEY WATER

1. Available Data

Valley Water will make available to Consultant all data and information in its possession and control and which it deems necessary to the preparation of the deliverables specified in the Schedule. Valley Water will actively aid and assist Consultant in obtaining such information from other agencies and individuals as it deems necessary. Valley Water is not responsible for providing data and information that it does not possess.

2. Review of Deliverables

- A. Valley Water will designate a Project Manager (Valley Water Project Manager or Authorized Representative) for purposes of administering and managing this Agreement.
- B. Consultant's progress in completing the Services will be reviewed by Valley Water Project Manager at each milestone identified in an executed Task Order or at such other time(s) at the discretion of Valley Water.
- C. Consultant must notify Valley Water in writing when it completes and has submitted to Valley Water each deliverable as per an executed Task Order. Deliverables deemed satisfactory and in compliance with this Agreement are subject to approval by Valley Water. Within 30 calendar days of receipt of each deliverable, Valley Water will either (1) notify Consultant that Valley Water accepts the deliverable, or (2) notify Consultant that the deliverable is not acceptable and must be revised.
- D. If Valley Water advises Consultant that a deliverable must be revised due to errors or omissions by Consultant, Consultant must correct, at no cost to Valley Water, those deficiencies as soon as possible and shall notify Valley Water upon completion of the revised deliverable and submit to Valley Water.

- E. Valley Water will then review the revised deliverable and within 30 calendar days of receipt, advise Consultant if the revised deliverable is acceptable. All deficient deliverables will be revised at no cost to Valley Water and this process will continue until Consultant has corrected all deficiencies identified by Valley Water.
- F. None of the proposed changes or revisions or anything else in this Agreement will be construed to relieve Consultant of professional or legal responsibility for the performance of the Services as otherwise required by the Terms and Conditions of this Agreement. Corrections to any deliverable as a result of Consultant's errors or omissions, as determined by Valley Water, will not result in additional costs or expenses to Valley Water.

3. Access to Valley Water Facilities

Valley Water will facilitate access to Valley Water facilities as required for Consultant to perform the Services.

SECTION FOUR

FEES AND PAYMENTS

1. Total Fixed Not-to-Exceed Fees

- A. Payment for all Services performed by Consultant to the satisfaction of Valley Water, as described in the Schedule will be based on the hourly rates, subject to the Total Fixed Not-to-Exceed (NTE) Fees stated in the Schedule, Attachment One, Fees and Payments. Valley Water will make payments to Consultant according to the terms provided for herein and in the Schedule, Attachment One, Fees and Payments. Payments made by Valley Water to Consultant for Services rendered will be considered full compensation for all personnel, materials, supplies, Subconsultant(s), equipment, and reimbursable expenses, incurred by Consultant to perform the Services. All Service requests will be made by Valley Water on an as-needed basis, subject to future Task Order(s) executed by Valley Water and Consultant.
- B. It is understood and agreed that there is no guarantee, either expressed or implied, as to the actual dollar amount, if any, of services that will be authorized under this Agreement, and that Valley Water is not obligated to request any service(s) from Consultant at all. However, in valuable consideration for Consultant's agreement to be on-call to perform services for Valley Water upon request with no minimum guaranteed amount of work, Valley Water will pay Consultant Five Hundred Dollars (\$500) on or before the expiration of this Agreement if Valley Water has not requested to utilize Consultant's services during the agreement term.
- C. The Schedule, Attachment One, Fees and Payments, sets forth the hourly rates and NTE fee, if any, for Services Consultant may perform pursuant to an executed Task Order.
- D. Services to be performed pursuant to a Task Order will commence only after written approval by both Valley Water's authorized representative referenced in the Standard On-Call Consultant Agreement, Appendix One, Additional Legal Terms, and Consultant's authorized representative.

- E. Notwithstanding any other provision of this Agreement, Valley Water agrees to pay Consultant in accordance with the terms set forth in an executed Task Order. Consultant represents and warrants that the amounts charged to Valley Water for Services do not exceed the amounts normally charged by Consultant to other customers for similar Services.
- F. Upon the written approval of Valley Water, the Services described in a Task Order task may be reduced, revised, or deleted.
- G. Automobile travel mileage expenses will be paid at the current Internal Revenue Service (IRS) rate. Valley Water will not reimburse Consultant nor its Subconsultants for mileage nor travel time to and from Valley Water Headquarters and surrounding campus located at 5700 Almaden Expressway, San Jose, California. However, Valley Water will reimburse Consultant and its Subconsultants for mileage incurred from Valley Water Headquarters or Consultant's and Subconsultants' firm addresses, whichever is closer to the destination, to Project site(s) and, if directed or authorized by Valley Water, to meeting locations such as with regulatory agencies, for community outreach activities and meetings, for partnering meetings, and Dispute Review Board meetings.

2. Consultant Invoices

- A. Consultant's invoices will be prepared in accordance with the terms of this Agreement, Section Four, Fees and Payments, and represent Services performed and reimbursable costs incurred during the identified billing period. Invoices must be consistent with Scope of Services and executed Task Orders; and include the following:
 - 1) Employee classification and name itemized with all labor charges by Service task;
 - 2) Summary of the amount Consultant has been billed by their Subconsultants and further detailed by Service task;
 - 3) A description of the site where Services were performed, if applicable;
 - 4) The name of Valley Water staff requesting Services;
 - 5) The dates when Services were performed;
 - 6) Other direct charges and reimbursable expenses by Task Order task;
 - 7) Other direct charges and expenses must reflect actual fees versus the Task Order not-to-exceed fees as stated in the Schedule(s), Attachment One, Fees and Payments, and/or Task Orders;
 - 8) Level of Small Business (SB) participation, if applicable, documenting the level of SB participation for each Task Order;
 - 9) The total amount due for completing the Services specified in that Task Order, which must not exceed the not-to-exceed amount specified in that Task Order; and
 - 10) To the extent that Consultant is adding an administrative, processing, overhead or mark-up fee, Valley Water will not pay for such duplication of costs for both

Consultant and its Subconsultants.

- B. Before submitting monthly invoices, a draft invoice (in Adobe PDF format) will be provided in electronic format by the Consultant for preliminary review by Valley Water Project Manager. Upon preliminary approval by Valley Water, Consultant will email the complete, signed, and dated electronic copy invoice, including all supporting documentation. Valley Water's preliminary review of the draft invoice does not represent final approval of the electronic copy invoice, but is intended to reduce potential for re-submittals of electronic copy invoice by Consultant.
- C. Invoices will include a summary of labor expenditures, direct costs, and billed Subconsultant charges. Invoices will be organized such that the billing categories correspond with the Task Order.
- D. Notwithstanding language to the contrary in an executed Task Order, Consultant must invoice Valley Water for a Task Order within 30 calendar days of Valley Water accepting the deliverables of that Task Order.
- E. Consultant shall submit all invoices through Projectmates or other document control system designated by Valley Water. All inquiries regarding Projectmates must be directed to Valley Water's Capital Project Management and Project Controls Program (CPMPC@valleywater.org). Consultant must also ensure that each invoice and corresponding attachments contain the following information:
 - 1) Agreement number;
 - 2) Consultant Invoice number in the following format: Agreement Number followed by a three-digit consecutive numbering sequence and separated by a period. For example, A1234A.001, A1234A.002, etc.
 - 3) Task Order number;
 - 4) Full legal name of Consultant/Firm;
 - 5) Payment remit-to address;
 - 6) Invoice date (the date invoice is emailed);
 - 7) Detailed description of Services provided, including the "distribution account(s)" for those Services;
 - 8) Number of hours spent by each person performing services and a brief description of the Services performed by each person; and
 - 9) Beginning and end date for billing period that services were provided.
- F. Consultant shall invoice for its performance of the Services as stated in an executed Task Order on a monthly basis consistent with the task fee breakdown stated in the Task Order(s), Attachment A. Unless otherwise specified in a Task order, Consultant will be paid for the Services as described in an executed Task Order.

G. Valley Water Project Manager will review Consultant's written invoice within five Valley Water business days of receipt, address any questions with Consultant's Contact/Principal Officer and approve the undisputed amount of the invoice within ten working days of receipt of the invoice. Valley Water will pay undisputed invoice amounts within 30 calendar days from date invoice is received by Valley Water Project Manager.

H. Invoice Disputes

- 1) Valley Water may in good faith assert a bona fide dispute as to all or a portion of fees specified in any invoice. If any portion of an amount due to Consultant pursuant to this Agreement is subject to a bona fide dispute between the Parties, within 30 calendar days of Consultant's submission of an invoice in which a disputed amount is included, Valley Water will notify Consultant in writing of the specific items in dispute, and will describe Valley Water's reason(s) for disputing each such item.
- 2) Consultant and Valley Water Project Manager must act in good faith to resolve the dispute in a timely manner. If the dispute is not resolved by Consultant and Valley Water Project Manager within 30 calendar days of Consultant receiving Valley Water's written notice of dispute, Consultant and Valley Water will attempt to resolve the dispute pursuant to the Standard On-Call Consultant Agreement, Appendix Two, Dispute Resolution.

I. Consultant's Services will be performed by its staff members and Subconsultants' staff members at the lowest hourly and unit rates commensurate with the complexity of the required Services.

J. Consultant shall ensure that its personnel performing services pursuant to this Agreement document their time doing so.

3. Prevailing Wages

A. A portion of the Services to be performed pursuant to this Agreement may be considered "Public Works" subject to California Labor Code §1771, et. seq. and the applicable implementing regulations. If Consultant's Services includes such work, Consultant and its Subconsultants must comply with all Labor Codes applicable to prevailing wages.

B. Labor Code §1720 provides as follows:

"(a) As used in this chapter, "public works" means all of the following:

(1) Construction, alteration, demolition, installation, or repair work done under contract and paid for in whole or in part out of public funds, except work done directly by a public utility company pursuant to order of the Public Utilities Commission or other public authority. For purposes of this paragraph, "construction" includes work performed during the design, site assessment, feasibility study, and other preconstruction phases of construction, including, but not limited to, inspection and land surveying work, regardless of whether any further construction work is conducted, and work performed during the postconstruction phases of construction, including, but not limited to, all cleanup work at the jobsite. For purposes of this paragraph, "installation" includes, but is not limited to, the assembly and disassembly of freestanding and affixed modular office systems."

- C. Consultant and its Subconsultants shall not engage in the performance of public work, as defined in California Labor Code §1771.1, unless currently registered and qualified to perform public work pursuant to California Labor Code §1725.5.
- D. The General Prevailing Wage Rates issued by the California Department of Industrial Relations may be adjusted by the State throughout the term of this Agreement. Notwithstanding any other provision of this Agreement, Consultant will not be entitled to any adjustment in compensation rates in the event there are adjustments to the General Prevailing Wage Rates.
- E. This Agreement is subject to compliance monitoring and enforcement by the State of California Department of Industrial Relations. Upon request, Consultant and Subconsultants must furnish the records specified in Labor Code §1776 directly to the Labor Commissioner, in a format prescribed by the Labor Commissioner.
- F. All records or documents required to be kept verifying statutory compliance with the prevailing wage requirement, such as certified payroll records, must be made available for audit at no cost to Valley Water, at any time during regular business hours, upon written request by Valley Water. Records and documents to be provided in electronic or hard copy format, at Valley Water's discretion.
- G. **California State Department of Industrial Relations Contractor and Sub-Contractor Registration Requirements**

Prior to Valley Water executing a Task Order for Services involving public works, as defined herein, Consultant, and its Subconsultant(s) performing public works, must provide evidence, in the form required by Valley Water, that Consultant and its Subconsultant(s) are in compliance with the California State Department of Industrial Relations Contractor and Sub-Contractor Registration Requirements.

4. Retention

- A. Unless otherwise specified in an executed Task Order, ten percent of each invoice for that Task Order will be withheld by Valley Water and not paid to Consultant until 30 calendar days after the assigned Valley Water representative signs the final approval for all Services/deliverables as stated in the executed Task Order, consistent with Section Three, Duties of Valley Water, subsection 2. Review of Deliverables.
- B. Consultant may request, and Valley Water may consider and approve, release of retention withheld by Valley Water.

SECTION FIVE

SCHEDULE OF COMPLETION

1. Performance of Tasks

Consultant will commence performing the tasks described in the Scope of Services of an executed Task Order upon receipt of the Task Order Notice to Proceed (NTP) issued by Valley Water.

2. Task Order Schedule

Consultant will perform and complete the Services in accordance with the schedule (Schedule) as described in each Task Order. Consultant will coordinate Services with Valley Water to provide the timeline of all tasks and subtasks including the site visits, document review, meetings, and deliverables.

3. Project Delays

Consultant will make all reasonable efforts to comply with the Schedule as stated in a Task Order. In the event the Task Order Schedule will be delayed, Consultant will notify Valley Water Project Manager as soon as possible, providing the reason why, the length of the delay, and a description of the actions being taken to address the delay. In the event Consultant is delayed in performance of its Services by circumstances beyond its control, Valley Water may, at its discretion, grant a reasonable adjustment in the Schedule.

4. Changes to the Schedule

Valley Water's Project Manager and Consultant may agree to modify the Schedule specified for Consultant's performance in an executed Task Order as an administrative modification to the Task Order and will confirm such modifications in writing.

SECTION SIX

AGREEMENT MODIFICATIONS

The Parties may agree to modify the Terms and Conditions of this Agreement by executing a written amendment hereto.

SECTION SEVEN

TERM AND TERMINATION

1. Term & Automatic Termination

No Task Order will be written which extends beyond the expiration date of this Agreement. Consultant will not undertake to provide Services where it reasonably appears that the Services cannot be performed and completed within the Term of this Agreement. Uncompleted and/or unfinished Task Orders will co-terminate with this Agreement.

2. Valley Water Rights

A. Suspension: Valley Water may, by written notice to Consultant, suspend any or all Services pursuant to this Agreement or to any individual Task Order. Valley Water may subsequently terminate this Agreement or any Task Order for convenience or determine to proceed. If a decision to proceed is not made within 90 days from the date of the notice of suspension, any decision to proceed must be conditioned upon execution of a new Notice to Proceed or Task Order.

B. Termination for Convenience: Valley Water may, by written notice to Consultant, terminate all or part of this Agreement or any Task Order at any time for Valley Water's

convenience. Upon receipt of such notice, Consultant will immediately cease all work as specified in the notice. If this Agreement or any Task Order is so terminated, Consultant will be compensated as set forth in Section Seven, Term and Termination, subsection 3. Consultant's Compensation upon Termination or Suspension.

- C. Termination for Breach: If Consultant violates any of the covenants, agreements or stipulations of this Agreement or a Task Order, or if Consultant fails to fulfill in a timely and proper manner its obligations pursuant to this Agreement or any Task Order, and does not cure such failure or violation within 30 days (or a reasonable extension thereof, if requested, which extension will not be unreasonably withheld) after receipt of written notice from Valley Water specifying such failure or violation, Valley Water will thereupon have the right to terminate this Agreement and any or all uncompleted Task Orders by giving written notice to Consultant of such termination. Such notice will specify the effective date thereof, and Consultant will not be entitled to compensation for Services or expenses beyond the specified termination date.
- D. If, after notice of termination for breach of this Agreement or any Task Order, it is determined that Consultant did not breach the Agreement or Task Order, the termination will be deemed to have been implemented for Valley Water's convenience, and Consultant will receive payment that is allowed by this Agreement for a termination for convenience.
- E. The rights and remedies provided herein to Valley Water are in addition to any other rights and remedies provided by law, this Agreement, or a Task Order.

3. Consultant's Compensation upon Termination or Suspension

In the event of termination of this Agreement or any Task Order, or suspension of Services by Valley Water, Consultant shall receive compensation based on satisfactory performance, accepted by Valley Water, as follows:

- A. Direct Labor: Consultant shall be entitled to receive compensation for all authorized direct labor performed prior to termination pursuant to the provisions of this Agreement or Task Order and all authorized labor expenses incurred to demobilize from the Project after the date of termination;
- B. Other Direct Costs and Expenses: Consultant shall be entitled to receive compensation for all authorized other direct costs and expenses incurred prior to termination and all authorized expenses incurred to demobilize from the Project after the date of termination; and
- C. In no event shall the total compensation paid for any item of Service exceed the payment specified in the Agreement or applicable Task Order for that item of Service.

4. Survival

The Terms and Conditions of this Agreement, that by their context and a standard of reasonableness, are intended to survive termination, suspension, completion, and expiration of this Agreement, shall survive, including but not limited to, the following Sections and subsections: Independent Contractor Status, Confidentiality, Indemnification, Insurance

Requirements, and Dispute Resolution, as well as any Consultant representations and warranties.

SECTION EIGHT

INDEMNIFICATION

1. Notwithstanding any other provision of this Agreement, Consultant agrees to indemnify, defend and hold harmless Valley Water, its agents, officers, directors, and employees from and against any and all demands, claims, damages, losses and reasonable expenses, including but not limited to liabilities, obligations, claims, costs, reasonable expenses (including, without limitation, interest, penalties and reasonable attorney's fees), fines, taxes, levies, imposts, assessment, demands, damages or judgments of any kind or nature, whether in law or equity (including, without limitation, death or injury to any person, property damage, administrative and judicial orders and consents, or any other loss) to the extent they arise out of, pertain to, or relate to the Consultant's negligence, recklessness, or willful misconduct. The foregoing does not limit any strict liability imposed on the Consultant by law.
2. Notwithstanding any other provision of this Agreement, to the fullest extent permitted by law (including, without limitation, California Civil Code §2782.8), Consultant agrees to indemnify, defend and hold harmless the District, its agents, officers, directors, and employees from and against any and all demands, claims, damages, losses and reasonable expenses, including but not limited to liabilities, obligations, claims, costs, reasonable expenses (including without limitation interest, penalties and reasonable attorney's fees), fines, taxes, levies, imposts, assessment, demands, damages or judgments of any kind or nature, whether in law or equity (including without limitation, death or injury to any person, property damage, administrative and judicial orders and consents, or any other loss) to the extent they arise out of, pertain to, or relate to Consultant's negligence, recklessness, or willful misconduct in connection with the performance of any work performed pursuant to this Agreement by Consultant as a design professional; provided that this duty shall not apply to injuries or damages for which Valley Water has been found in a court of competent jurisdiction to be liable by reason of its own negligence, recklessness, or willful misconduct.
3. The rights, duties, and obligations of the Parties as set forth above in this Section Eight, Indemnification, subsections 1. and 2., survive termination, expiration, completion, and suspension of this Agreement.

SECTION NINE

INSURANCE REQUIREMENTS

Insurance requirements applicable to this Agreement are set forth in the Standard On-Call Consultant Agreement, Appendix Four, Insurance Requirements. Consultant must provide and maintain at its own expense, during the term of this Agreement, or as may be further required herein, all insurance coverages as detailed in the Standard On-Call Consultant Agreement, Appendix Four, Insurance Requirements, and comply with all provisions stated therein.

SECTION TEN

OWNERSHIP AND REUSE OF DELIVERABLES

1. Valley Water Ownership

All deliverables and other materials prepared by Consultant, including computer programs and media developed by Consultant, to perform the Services, during the term of this Agreement, will be and remain the property of Valley Water following payment in full to Consultant for each task or portion of a completed task, or in accordance with Section Seven, Term and Termination. In the event the work is not completed, the completed portions thereof will become the property of Valley Water. Consultant will provide Valley Water with such deliverables and material at appropriate times during this Agreement. Consultant may retain a copy for its records. Consultant does not convey, assign, or transfer the intellectual property rights it has, so as to limit its ability or right to develop, design, or provide services on other projects of or for its other clients.

2. Reuse of Instruments of Service

If Valley Water desires to reuse the completed plans, specifications, or other deliverables, in total or in part, on project sites associated with this Agreement, or any other site, or to complete any incomplete portion of construction documentation which Valley Water has already paid Consultant, Valley Water will release Consultant from any liability incurred by Valley Water from reusing said deliverables.

3. Copies of Data

Copies of data exchanged by, through, and between Valley Water and Consultant that may be relied upon are limited to printed copies. Computer-generated files, disks, or tapes of text, data or graphics that are furnished are only for the mutual convenience of the Parties.

4. Computer-Generated Material

Any risk of translation or reliance on information obtained or derived from computer-generated material is at the user's sole risk, and no representations are made, either express or implied, as to the long-term performance of data thus transferred.

5. Work for Hire

Any and all original correspondence, memoranda, reports, designs, plans, specifications, data compilations, computer programs, or drawings delivered to Valley Water by Consultant according to the Terms of this Agreement, in or by any medium is deemed to be "work for hire" according to the copyright laws of the United States and the copyright belongs to Valley Water.

6. Copyright Claims

Co-venturers, subcontractors, Subconsultants, suppliers, and vendors to Consultant are likewise bound by these copyright terms. Valley Water makes no copyright claim and requires no release for copyrighted material or trademarked names used incidentally by Consultant.

SECTION ELEVEN

EQUAL OPPORTUNITY

1. Equal Opportunity Employer

Valley Water is an equal opportunity employer and requires its consultants to have and adhere to a policy of equal opportunity and non-discrimination. In the performance of the Agreement, Consultant will comply with all applicable federal, state, local laws and regulations, and will not discriminate against any subcontractor, employee, or applicant for employment in the recruitment, hiring, employment, utilization, promotion, classification or reclassification, transfer, recruitment advertising, evaluation, treatment, demotion, layoff, termination, rates of pay or other forms of compensation, and selection for professional development training (including apprenticeship), or against any other person, on the basis of sex (which includes pregnancy, childbirth, breastfeeding and medical conditions related to pregnancy, childbirth or breastfeeding), race, religion, color, national origin (including language use restrictions), ancestry, religious creed (including religious dress and grooming practices), political affiliation, disability (mental and physical, including HIV or AIDS), medical condition (cancer and genetic characteristics), genetic information, marital status, parental status, gender, age (40 and over), pregnancy, military and veteran status, sexual orientation, gender identity and gender expression, the exercise of family and medical care leave, the exercise of pregnancy disability leave, or the request, exercise, or need for reasonable accommodation.

2. Compliance with Applicable Equal Opportunity Laws

Consultant's policy must be in conformance with applicable state and federal guidelines including the Federal Equal Opportunity Clause, 41 Code of Federal Regulations, Part 60-1, §60-1.4; Title VII of the Civil Rights Act of 1964 as amended; the Americans with Disabilities Act of 1990; the Rehabilitation Act of 1973 (§503 and §504); the Age Discrimination Act of 1975 (42 U.S.C. §6101 et seq.); the California Fair Employment and Housing Act (Government Code §12900 et. seq.); and California Labor Code §1101 and §1102.

3. Investigation of Claims

Consultant must designate a specific position within its organization to be responsible for investigating allegations of non-compliance with the anti-discrimination and anti-harassment provisions of this Agreement. Consultant must conduct a fair, prompt, and thorough investigation of all allegations directed to Consultant by Valley Water. In cases where such investigation results in a finding of discrimination, harassment, or hostile work environment, Consultant must take prompt, effective action against the offender.

SECTION TWELVE

MISCELLANEOUS PROVISIONS

1. Entire Agreement

This Agreement, which includes the Terms and Conditions, Appendices, the Schedule(s), Schedule(s)' Attachments, and all executed Task Orders, represents the entire

understanding between the Parties hereto relating to the Services described in this Agreement and its executed Task Orders, which are incorporated herein by this reference, and supersedes any and all prior proposals or agreements, whether written or oral, that may exist between the Parties. This Agreement may not be modified or amended except in writing as stated herein. To the extent that any Schedule conflicts with this Agreement, this Agreement shall control.

2. Formation of Agreement

- A. No agreement between the Parties is formed until all applicable actions have been completed to the satisfaction of Valley Water. Valley Water Project Manager will not issue a Notice to Proceed until all required documents have been submitted and accepted by Valley Water.
- B. Formation of this Agreement between the Parties requires accomplishment of the following, as applicable:
 - 1) Execution of the Agreement by Consultant;
 - 2) Submission by Consultant, and acceptance by Valley Water, of evidence of all required insurance coverages and documents;
 - 3) Submission by Consultant, and acceptance by Valley Water, of evidence of all required Form 700 documents, if applicable;
 - 4) Submission by Consultant, and acceptance by Valley Water, of all required Non-Disclosure Agreements (NDA) as provided in the Schedule(s), Attachment Four, Reference Materials, if applicable;
 - 5) Submission by Consultant, and acceptance by Valley Water, of a Health and Safety Plan, if applicable;
 - 6) Any other requirements that are deemed necessary by Valley Water; and
 - 7) Execution of the Agreement by Valley Water.

3. No Assignment

- A. The expertise and experience of Consultant are material considerations for Valley Water's award and execution of this Agreement. Consultant will not assign or transfer any interest in this Agreement nor the performance of any of Consultant obligations hereunder, without prior written consent of Valley Water in the form of an amendment executed by the Parties, and any attempt to so assign this Agreement, or any rights, duties or obligations arising hereunder, will be void and of no effect. Any assignment of monies due or to become due in accordance with this Agreement, will be to the extent permitted by law, and will be subject to all proper set-offs, deductions, and withholdings in favor of Valley Water.
- B. In no event shall an assignment of any interest in this Agreement release Consultant from its duties and responsibilities as described in this Agreement nor shall Consultant be released from liability created by the provision of Services as described in this Agreement

until such assignment takes effect. Any attempted or purported assignment without Valley Water's written consent in the form of an amendment executed by the Parties is null and void.

4. Reasonableness

Discretionary actions or approvals to be performed by the Parties will be exercised in a reasonable manner.

5. Gifts

Consultant hereby acknowledges that Valley Water policy prohibits the acceptance by Valley Water personnel of gifts of any kind from its contractors, consultants, suppliers or vendors. Consultant shall honor this policy by not sending or bringing gifts to Valley Water.

6. Audits

Consultant agrees that Valley Water and its agent(s) have the right to review, obtain, and copy all records pertaining to performance of this Agreement. Consultant agrees to provide Valley Water and its agent(s) with any relevant information requested, in electronic and hard copy format, at Valley Water's discretion, and will permit Valley Water and its agent(s) access to its premises, upon reasonable notice, during normal business hours for the purpose of interviewing employees (alternatively, by phone at Valley Water's discretion) and inspecting or copying books, records, accounts, computerized records, and other materials that may be relevant to the matter under investigation or subject to audit, such as by a government agency, providing Valley Water with grant funds to pay for Consultant's services, for the purpose of determining compliance with this Agreement. Consultant further agrees to maintain such records for a period of three years after final payment as provided for in this Agreement.

7. Force Majeure

Neither Party will be held responsible for delays caused by acts beyond its control, such as acts of God or public enemies, utility or communication delays, or failures not caused by such Party's negligence or fault, accidents not caused by such Party's negligence or fault, labor disputes, war, or failure of the other Party to provide data as required pursuant to this Agreement.

8. Binding Effect

This Agreement is binding on the heirs, executors, administrators, successors and assigns of the Parties.

9. 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.

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.

10. Confidentiality

- A. Due to the nature of the services Consultant will provide pursuant to this Agreement, there may be disclosures made to Consultant of detailed information about Valley Water's operations, including on a need-to-know basis information which may be protected from public disclosure by confidentiality laws, the attorney-client privilege, and/or other provisions of law which govern the nature and timing of disclosure of public information.
- B. Consultant understands and acknowledges that Valley Water staff members providing information to Consultant do so with the understanding that such information will be handled appropriately.
- C. In the event Consultant receives such restricted or confidential information, Consultant will limit access to the information to only those of Consultant's employees, its subcontractors and its Subconsultants authorized by Valley Water to have the information.
- D. Consultant will notify Valley Water immediately of any request by any third party to have access to confidential information and will not disclose the requested information without first receiving express written authorization from Valley Water.
- E. Notwithstanding the aforementioned Confidentiality requirements, upon the request of Valley Water Project Manager, Consultant, and its Subconsultants shall execute Valley Water's most current Non-Disclosure Agreement in effect at that time.
- F. The requirements stated herein will survive completion, expiration, suspension, and termination of this Agreement.

11. Release of Information Prohibited

Consultant is not permitted to provide any information concerning the Project to the media nor anyone other than authorized Valley Water personnel. Consultant will not release any information pertinent to the Project for publication, public disclosure, or in any other manner without first obtaining clearance and a release in writing from Valley Water. Any media inquiry at any time to Consultant relating to any matter concerning Services provided or requested to be provided pursuant to this Agreement will be referred immediately to Valley Water. Consultant will not communicate with the media regarding any such matter.

12. Conflict of Interest

- A. Consultant represents that there exists no actual or potential conflict of interest concerning the services to be performed pursuant to this Agreement.
- B. Consultant represents that Consultant's performance required as stated in this Agreement does not require the breach of any agreement or obligation to keep in confidence the proprietary information of another party. Consultant will not bring to Valley Water, or use in the performance of Consultant's duties as described in this Agreement, any materials or documents of another party considered confidential or proprietary unless

Consultant has obtained written authorization from such party, and the informed consent of Valley Water, for the possession and use of such materials.

- C. Consultant represents and warrants that during the term of the Agreement, Consultant, Consultant's parent company, Consultant's subsidiaries, or any affiliated entity sharing substantially similar ownership of or control with Consultant shall not act as a Consultant or expert for any party in support of any potential or active claim or legal action against Valley Water by such party.
- D. CALIFORNIA FAIR POLITICAL PRACTICES COMMISSION STATEMENT OF ECONOMIC INTEREST FORM 700 ("FORM 700"): Upon Valley Water's request, Consultant employees, officers, agents, Subconsultants, and subcontractors shall complete, execute, and submit a Form 700 as follows:
- 1) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, shall file, in a manner prescribed by Valley Water, an Assuming Office Statement. The Assuming Office Statement shall be filed:
 - a. Within 30 calendar days of the effective date of this Agreement; or
 - b. Within 30 calendar days of Consultant hiring, adding, or promoting to a designated filer position, employees, officers, agents, Subconsultants, and subcontractors to perform services pursuant to this Agreement;
 - 2) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file in a manner prescribed by Valley Water, an amendment to their Form 700 any time there is a need to correct or change disclosure information;
 - 3) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file an Annual Statement in a manner prescribed by Valley Water, during the annual filing season, as determined by Valley Water;
 - 4) Consultant employees, officers, agents, Subconsultants, and subcontractors assigned to perform services pursuant to this Agreement, that filed an Assuming Office Statement, shall file in a manner prescribed by Valley Water, a Leaving Office Statement with Valley Water when one of the following occurs:
 - a. Upon termination of this Agreement; or
 - b. Within 30 calendar days of Consultant employees, officers, agents, Subconsultants, and subcontractors vacating a designated filing position (i.e., removed from the Project, promotion, demotion, transfer to non-designated position, end of employment, or as a result of changes in designated filer positions in Valley Water's Conflict of Interest Code);
 - 5) Consultant understands and agrees that its employees, officers, agents, Subconsultants, and subcontractors may be disqualified from providing services to Valley Water pursuant to the California Political Reform Act, Government Code

§81000 et. seq. and §1090. If any of Consultant's employees, officers, agents, Subconsultants, and subcontractors are disqualified from providing services, on written notice from Valley Water Project Manager, Consultant will have 15 calendar days to remove said employee(s), officer(s), agent(s), Subconsultant(s)' and subcontractor(s)' employee(s) from the Project and provide a replacement acceptable to Valley Water;

- 6) The failure of Consultant's employees, officers, agents, Subconsultants, and subcontractors to file an Assuming Office, Annual, Amended, or Leaving Office Statement within the time prescribed by Valley Water is deemed a material breach and may result in termination of the Agreement for cause.

13. Task Orders

- A. All tasks and Services may be assigned to Consultant through issuance of Task Orders. The Valley Water Project Manager will identify and communicate the applicable tasks and services based on the menu of tasks listed in the Scope of Services to be provided to the Consultant. After the tasks and Services are identified and communicated to Consultant by Valley Water Project Manager, Consultant will prepare a proposed Task Order request (see Standard On-Call Consultant Agreement, Appendix Three, Task Order Template). The proposed Task Order must identify the following:
 - 1) Description of the Services, including deliverables;
 - 2) The total Not-to-Exceed Fees for Consultant to complete the Services, including estimated number of hours per assigned staff to complete the Services;
 - 3) Proposed staff that will be assigned to complete the Services, including resumes if not previously provided to Valley Water's Project Manager;
 - 4) Estimated cost of each other direct cost and reimbursable expense, including any applicable fees;
 - 5) Schedule for completing the Services; and
 - 6) Copies of applicable state and federal permits required to complete the Services, unless previously provided to Valley Water.
- B. Consultant agrees that the Not-to-Exceed Fees specified in a proposed Task Order will be the product of a good faith effort in exercising its professional judgment. After an agreement has been reached on the negotiable items, the finalized Task Order will be signed by both Valley Water's authorized representative referenced in the Standard On-Call Consultant Agreement, Appendix One, Additional Legal Terms and Consultant's authorized representative.
- C. Consultant must not commence performance of work or services on a Task Order until it has been approved by Valley Water's authorized representative and Notice to Proceed has been issued by Valley Water Project Manager. No payment will be made for any services performed prior to approval or after the period of performance of the Task Order. The period of performance for Task Orders will be in accordance with dates specified in

the Task Order. No Task Order will be written which extends beyond the expiration date of this Agreement. The total amount payable by Valley Water for an individual Task Order will not exceed the amount agreed to in the Task Order.

- D. Prevailing Wage Requirements: The Scope of Services may be considered by Valley Water to be "Public Works" requiring the payment of prevailing wages. See the Standard On-Call Consultant Agreement, Section Four, Fees and Payments, subsection 3. Prevailing Wages, and Appendix Three, Task Order Template.

14. Good Neighbor

Valley Water always strives to be a good neighbor to the community adjacent to its facilities. Consultant will ensure that disturbance to neighbors is minimized. Consultant, its staff, and Subconsultants will always interact with the members of the public in a polite and professional manner.

15. Governmental Permits and Notifications

Unless otherwise expressly stated herein or in an executed Task Order, Consultant represents and warrants that it has investigated the need for, and has or will procure, at its cost, and in its own name to the extent allowed by law, all governmental permits, notifications, approvals and inspections required for the performance of the Services. Consultant shall promptly notify Valley Water if any such permit or approval lapses or is modified or revoked. If, pursuant to applicable law, any such permits or approvals must be procured in Valley Water's name, Consultant shall promptly so inform Valley Water and assist Valley Water in obtaining such permits or approvals.

16. Taxes and Benefits

Consultant has full and exclusive liability for the payment of, and Consultant will pay, any and all taxes and contributions for unemployment insurance, retirement benefits, workers' compensation insurance or benefits, life insurance, pensions, annuities and similar benefits and any other employment-related costs, obligations, and duties that may now or hereafter be imposed by law, collective bargaining agreements or otherwise with respect to persons employed by Consultant for the performance of Services pursuant to this Agreement.

17. Nonwaiver of Rights

The failure of either Party to this Agreement to object to or to take affirmative action with respect to any conduct of the other Party that is in violation of the terms of this Agreement will not be construed as a waiver thereof, or as waiver of any future breach or subsequent wrongful conduct.

18. 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.

19. 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.

20. 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.

21. Notices

Unless otherwise specified in this Agreement, all requests for written approval or legal notices must be sent to the representatives below. All notices are deemed to have been given when made in writing and when delivered or mailed to the representatives of Valley Water and Consultant at their respective addresses as follows:

VALLEY WATER:

Deputy Operating Officer, as listed in the attached Schedule, Scope of Services, Section 1. Representatives.

CONSULTANT:

Consultant Principal Officer, as listed in the attached Schedule, Scope of Services, Section 1. Representatives.

22. Appendices

The following list of Standard On-Call Consultant Agreement Appendices are incorporated herein by this reference as though set forth in full:

Appendix One - Additional Legal Terms
Appendix Two - Dispute Resolution
Appendix Three - Task Order Template
Appendix Four - Insurance Requirements

23. Schedule and Attachments

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

Attachment One - Fees and Payments
Attachment Two - Schedule of Completion
Attachment Three - Consultant's Key Staff and Subconsultants
Attachment Four - Reference Materials

IN WITNESS WHEREOF, THE PARTIES HAVE SET FORTH BELOW THEIR CONSENT TO THE TERMS AND CONDITIONS OF THIS AGREEMENT THROUGH THE SIGNATURES OF THEIR DULY AUTHORIZED REPRESENTATIVES.

SANTA CLARA VALLEY WATER DISTRICT
Valley Water

KLEINFELDER, INC.
Consultant

By: _____
Tony Estremera
Chair, Board of Directors

By:  _____
C55C7109121B476...
Andrea Traum
Vice President, Senior Program
Manager

Date: _____

Date: 3/6/2025

ATTEST:

Consultant's Address:
25 Metro Drive, Suite 110
San Jose, CA 95110

Candice Kwok-Smith
Interim Clerk, Board of Directors

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**STANDARD ON-CALL CONSULTANT AGREEMENT
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, or any of its Subconsultants, shall not submit a proposal:

- A. For any agreement to be awarded for construction management, or the construction of any project that is related to the Services provided pursuant to this Agreement;
- B. In response to any request for proposal or Valley Water 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 Standard On-Call Consultant Agreement, Appendix Two, Dispute Resolution.

3. Small Business Enterprise (SBE) Outreach Program 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 40% or more of the Total Not-to-Exceed Fees stated in the Standard Consultant Agreement, Attachment One Fees and Payments, to the Schedule(s), 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 Valley Water.
- B. Task Orders are subject to approval by Valley Water's Deputy Operating Officer unless delegated to an Assistant Operating Officer and/or Unit Manager.
- C. Valley Water Assistant Operating Officer is authorized to approve individual Task Orders in an amount not-to-exceed \$[authorization amount]. [NOT USED]
- D. Valley Water Unit Manager(s) is authorized to approve individual Task Orders in an amount not-to-exceed \$ [Authorization Amount]. [NOT USED]
- E. The total not-to-exceed amount for any one Task Order shall not exceed \$300,000.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX ONE
ADDITIONAL LEGAL TERMS**

- F. Consultant must acknowledge receipt and respond to Valley Water's request to submit a Cost Proposal within five (5) business days or within the time specified in Valley Water's request. [NOT USED]
- G. Upon Valley Water and Consultant's successful negotiation of the Consultant's Cost Proposal, Consultant must submit a Task Order within five (5) business days or within the time specified in Valley Water's request, for Valley Water's approval of the Task Order, and issuance of a Notice-to proceed. [NOT USED]

5. Engineering Support Services During Construction

- A. Valley Water may, at its discretion, negotiate an amendment to a Task Order issued for professional design services to add construction phase engineering support services.
- B. Valley Water may, at its discretion, negotiate an amendment to a Task Order issued for professional design services to designate Consultant as engineer-of-record.
- C. Valley Water may, at its discretion, choose to initiate a new consultant agreement selection process for engineering support services during construction and/or utilize Valley Water staff or the services of a different firm pursuant to an on-call agreement, to perform such services.

6. Task Order Assignments for Multi-Awards Agreement

Valley Water has retained four (4) separate consultants to perform on-call geotechnical engineering and design-related services during the same timeframe. As a result of Valley Water's competitive selection process, task orders will be assigned on a rotational basis, when conflicts of interest do not exist. There is no guarantee of any amount of work that will be given to each of the consultants. Valley Water's Project Manager is responsible for administering the task orders for assigned work among the four (4) firms for the term of the Agreements.

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**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX TWO
DISPUTE RESOLUTION**

1. Consultant's Questions and Concerns

Questions regarding the Terms, Conditions, and Services relating to this Agreement will be decided by Valley Water who will furnish the decisions to Consultant in writing within 30 days after receiving a written request from Consultant.

2. Dispute Resolution

A. Alternate Dispute Resolution

Valley Water intends to use Alternate Dispute Resolution (ADR) techniques including partnering and mediation to resolve disputes relating to the Project.

B. Consultant and its Subconsultants are expected to participate in all ADR efforts.

C. The cost of partnering, training facilities, and facilitator will be paid for by Valley Water, unless the Parties agree otherwise.

3. Negotiations Before and During Mediation

Negotiations to resolve disputes before and during mediation are initiated for settlement purposes only, are confidential, and are not binding unless otherwise agreed by Valley Water and Consultant.

4. Voluntary Mediation

A. Initiation of Mediation

Any Party to a dispute or claim may initiate mediation by notifying the other Party or Parties in writing.

B. Request for Mediation

A request for mediation must contain a brief written statement of the nature of the dispute or claim, and the names, addresses, and phone numbers of all parties to the dispute or claim, and those who will represent them, if any, in the mediation.

C. Selection of Mediator

- 1) Upon receipt of a written request for mediation, unless otherwise agreed by the Parties, within 14 days, the Parties will confer to select an appropriate mediator agreeable to all Parties.
- 2) If the Parties cannot agree on a mediator, they hereby agree to accept a mediator appointed by a recognized association such as the American Arbitration Association.

D. Qualifications of a Mediator

- 1) Any mediator selected must have expertise in the area of the dispute and be knowledgeable in the mediation process.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX TWO
DISPUTE RESOLUTION**

- 2) No person shall serve as a mediator in any dispute in which that person has any financial or personal interest in the result of the mediation.
- 3) Before accepting an appointment, the prospective mediator must disclose any circumstances likely to create a presumption of bias or prevent a prompt meeting with the Parties. Upon receipt of such information, the Parties will confer and decide whether to select another mediator.

E. Vacancies

If any mediator becomes unwilling or unable to serve, another mediator will be selected unless the Parties agree otherwise.

F. Representation

- 1) Any Party may be represented by person(s) of their choice who must have full authority to negotiate.
- 2) The names and addresses of such person(s) must be communicated in writing to both Parties and to the mediator.

G. Time and Place of Mediation

- 1) The mediator will set the time of each mediation session.
- 2) The mediation will be held at a convenient location agreeable to the mediator and the Parties, as determined by the mediator.
- 3) All reasonable efforts will be made by the Parties and the mediator to schedule the first session within 60 days after selection of the mediator.

H. Identification of Matters in Dispute

- 1) Parties shall comply with the process as required by the mediator with regard to providing the mediator with a memorandum setting forth its position with regard to the issues that need to be resolved. At the discretion of the mediator, or otherwise agreed by the Parties, the Parties may mutually exchange such memoranda.
- 2) At the first session, the Parties will be expected to produce all information reasonably required for the Mediator to understand the issue(s) presented. The mediator may require each Party to supplement such information.

I. Authority of Mediator

- 1) The mediator does not have authority to impose a settlement on the Parties but will attempt to assist the Parties in reaching a satisfactory resolution of their dispute.
- 2) The mediator is authorized to conduct joint and separate meetings with the Parties and to make oral and written recommendations for settlement.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX TWO
DISPUTE RESOLUTION**

- 3) Whenever necessary, the mediator may also obtain expert advice concerning technical aspects of the dispute, provided the Parties agree and assume the expenses of obtaining such advice. Arrangements for obtaining such advice will be made by the mediator or the Parties, as determined by the mediator.
- 4) The mediator is authorized to end the mediation whenever, in the mediator's judgment, further efforts at mediation would not contribute to a resolution of the dispute between the Parties.

J. Privacy

- 1) Mediation sessions are private.
- 2) The Parties and their representatives may attend mediation sessions.
- 3) Other persons may attend only with the permission of the Parties and with the consent of the mediator.

K. Confidentiality

Except as provided by California or federal law or regulation:

- 1) The mediator will not divulge confidential information disclosed to a mediator by the Parties or by witnesses in the course of the mediation.
- 2) All records, reports, or other documents received by a mediator while serving as mediator, are confidential.
- 3) The mediator must not be compelled to divulge such records or to testify in regard to the mediation in any adversary proceeding or judicial forum.
- 4) The Parties must maintain the confidentiality of the mediation and must not rely on, or introduce as evidence in any arbitration, judicial or other proceedings:
 - a. Views expressed, or suggestions made by the other Party with respect to a possible settlement of the dispute;
 - b. Statements made by the other Party in the course of the mediation proceedings;
 - c. Proposals made or views expressed by the mediator; and
 - d. Whether the other Party had or had not indicated willingness to accept a proposal for settlement made by the mediator.

L. No Stenographic Record

There shall be no stenographic record of the mediation.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX TWO
DISPUTE RESOLUTION**

M. Termination of Mediation

The mediation shall be terminated:

- 1) By the execution of a Settlement Agreement by the Parties;
- 2) By a written declaration of the mediator to the effect that further efforts at mediation are no longer worthwhile; or
- 3) By a written declaration of a Party or Parties to the effect that the mediation proceedings are terminated.

N. Exclusion of Liability

No mediator shall be a necessary Party in judicial proceedings related to the mediation.

O. Interpretation and Application of These Mediation Provisions

The mediator will interpret and apply these mediation provisions insofar as they relate to the mediator's duties and responsibility.

P. Expenses

- 1) The expenses of witnesses for each Party must be paid by the Party producing the witnesses.
- 2) All other expenses of the mediation, including required travel and other expenses of the mediator, and the expenses of any witness called by the mediator, or the cost of any proofs or expert advice produced at the direct request of the mediator, will be apportioned as the mediator finds appropriate or as otherwise agreed to by the Parties.

5. Compensation for Participation in Mediation

Neither Consultant nor Valley Water is entitled to compensation for time spent in or for negotiations or mediation to resolve questions or disputes between Consultant and Valley Water arising out of this Agreement.

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**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX THREE
TASK ORDER TEMPLATE**

Task Order No. _____

Title: _____

Agreement: Standard On-Call Consultant Agreement _____ (Agreement) by and between the Santa Clara Valley Water District (Valley Water) and _____ (Consultant), dated _____.

Valley Water: _____

Consultant: _____

Dollar Amount of Task Order: Not-to-Exceed \$ _____

1. Upon full execution of this Task Order No. _____, as set forth in the Standard On-Call Consultant Agreement, Section Twelve, Miscellaneous Provisions, subsection 13. Task Orders, and the issuance of a Notice to Proceed by the Valley Water Project Manager, Consultant is hereby authorized to perform the Services described in Attachment A to this Task Order. Any costs incurred, Services performed or expenditures by Consultant before this Task Order is executed or before the issuance of the Notice to Proceed will be considered outside the contracted Scope of Services and will not be eligible for payment.

2. Both the Scope of Services to be performed and the deliverables to be provided in accordance with this Task Order are described in Attachment A which is attached hereto and incorporated by this reference. Attachment A shall include at a minimum the following:
 - A. Consultant personnel to be assigned to perform the Services, including resumes if not previously provided to Valley Water;
 - B. The total not-to-exceed fees amount for Consultant to complete the Services, including estimated number of hours required to perform the Services assigned to each Consultant classification;
 - C. Estimated cost of each other direct cost and reimbursable expense, including any applicable fees;
 - D. The distribution detail for each service, direct cost, and reimbursable expense. This information must be included in the invoice for the services authorized pursuant to this Task Order; and
 - E. Project schedule for completing the Scope of Services.

3. Consultant shall be compensated at fixed fees or at the hourly rates established in Schedule OC, Attachment One, Fees and Payments. Consultant agrees that it will provide all equipment, furnish all materials, except as may be otherwise noted in the Attachment A.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX THREE
TASK ORDER TEMPLATE**

- 4. This Task Order becomes effective on the date of full execution by authorized representatives of the Parties and remains in effect until the earlier of: completion of the tasks set forth in Attachment A or [expected completion date].
- 5. Copies of applicable local, state and federal permits required to perform the Services described in Attachment A are attached to this Task Order, unless Consultant previously provided the appropriate permits to Valley Water.
- 6. Consultant shall perform all Services described in Attachment A to this Task Order in accordance with the Terms and Conditions of the Agreement.
- 7. Prevailing Wage Requirements [NOT USED]
 - A. The Scope of Services described in this Task Order is considered by Valley Water to be "Public Works" requiring the payment of prevailing wages. See the Standard On-Call Consultant Agreement, Section Four, Fees and Payments, subsection 3. Prevailing Wages.
 - B. 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 rates are also available on the State of California Department of Industrial Relations website at <http://www.dir.ca.gov>.

8. Signatures:

Signature: _____ DATE _____
 [NAME OF CONSULTANT FIRM]
 [PRINT NAME]
 [PRINT TITLE]

Signature: _____ DATE _____
 SANTA CLARA VALLEY WATER DISTRICT
 [PRINT NAME]
 [PRINT TITLE]

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**STANDARD ON-CALL CONSULTANT AGREEMENT
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 checklist of documents needed at the end of this Appendix Four Insurance Requirements.

Without limiting the Consultant's indemnification of, or liability to, the Santa Clara Valley Water District ("District" or "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 District with copies of all original endorsements affecting coverage required by this Appendix Four Insurance Requirements. 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 District before the Agreement is executed.** In the event of a claim or dispute, District 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 Appendix Four Insurance Requirements.

If your insurance broker has any questions about the above requirements, please advise him/her to email Valley Water Risk Manager at RiskManager@valleywater.org.

Certificates of Insurance

Consultant shall furnish the District 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 District 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 No. A5244A / PB No. VW0435**

IMPORTANT: The agreement or PB number must be included.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS**

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

1. Certificate Holder shall be named as Additional Insured;
2. District 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 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 District Contract Administrator that such insurance policy required by this 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, District, 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 the District 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 No. A5244A / PB No. VW0435**

IMPORTANT: The agreement or PB number must be included.

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**STANDARD ON-CALL CONSULTANT AGREEMENT
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INSURANCE REQUIREMENTS**

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 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.

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS**

4. Workers' Compensation and Employer's Liability Insurance

Statutory California Workers' Compensation coverage covering all work to be performed for the District.

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:

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 the District. **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 the District, its Directors, its officers, agents and employees, and the District'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 the District.
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 the District'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 the District. At the option of the District, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the District, 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

**STANDARD ON-CALL CONSULTANT AGREEMENT
APPENDIX FOUR
INSURANCE REQUIREMENTS**

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 the District.
7. **Amount of Liability not Limited to Amount of Insurance:** The insurance procured by Consultant for the benefit of the District must not be deemed to release or limit any liability of Consultant. Damages recoverable by the District 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 the District 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. **Non-compliance:** The District 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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**STANDARD ON-CALL CONSULTANT AGREEMENT
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 | |

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SCHEDULE OC SCOPE OF SERVICES

1. Representatives

- A. Valley Water's representatives are as listed below. Unless otherwise provided in this Agreement, all correspondence to Valley Water must be addressed to Valley Water's Project Manager (VWPM).

Bobby Tan (VWPM)
Assistant Engineer II
Watersheds Design and Construction Division
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2712
Email: btan@valleywater.org

Sunshine V. Julian, PE, PMP
Capital Engineering Manager
Watersheds Design and Constuction Division
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2273
Email: svjulian@valleywater.org

Bhavani Yerrapotu, PE
Deputy Operating Officer
Watersheds Design and Construction Division
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3638

Phone: (408) 630-2735
Email: byerrapotu@valleywater.org

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

Andrea Traum
Kleinfelder, Inc.
VP, Senior Program Manager
25 Metro Drive, Suite 110,
San Jose, CA 95110

Phone: (408) 595-3275
Email: atraum@kleinfelder.com

SCHEDULE OC SCOPE OF SERVICES

- C. The Consultant's Principal Officer for this Agreement is as listed below. As per the Agreement, Section Twelve, Miscellaneous Provisions, subsection 21. Notices, all notices pertaining to this Agreement must be submitted to the Consultant's Principal Officer.

Andrea Traum
Kleinfelder, Inc.
VP, Senior Program Manager
25 Metro Drive, Suite 110,
San Jose, CA 95110

Phone: (408) 595-3275
Email: atraum@kleinfelder.com

2. Scope of Services

- A. Consultant shall be responsible for, but not limited to, performing on-call general and specialized geotechnical engineering and design-related professional services (Project). These services will be requested on an "as-requested" or "as-needed basis" to assist Valley Water in accomplishing its capital, maintenance, rehabilitation and replacement projects in a timely manner. Valley Water may request services to be performed by the Consultant at any time during the term of this Agreement and by staff at different levels of experience and expertise. The requested tasks may involve investigations, analysis, evaluations, recommendations, quality assurance/quality control (QA/QC) reviews, and design-related services.
- B. The scope of On-Call services may include tasks and subtasks as described below, only as appropriate and necessary to accomplish Valley Water's objective for the particular Task Order.
- 1) Investigations, analysis, and evaluation of existing or new levee/flood wall stability and safety following the Federal Emergency Management Agency (FEMA) and U.S. Army Corps of Engineers (USACE) standards and guidelines.
 - 2) Design criteria for new levee and flood wall, and recommendations for levee improvement or remedial design following the latest FEMA and USACE design guidelines.
 - 3) Investigations, analysis, and recommendations for design of various shallow and deep foundations including lateral load resistance capacity.
 - 4) Investigations, evaluation, and recommendations for pavement design criteria.
 - 5) Investigations and evaluation of levee slope and creek bank erosion, and recommendations for slope and bank repair and stabilization.
 - 6) Investigations, evaluation, and recommendations of underground utility lines.
 - 7) Investigations, analysis and evaluation of seismic hazards.
 - 8) Investigation, evaluation, and recommendations for Valley Water buildings and facilities.
 - 9) Design and project management for the installation of groundwater monitoring wells and field permeability testing.
 - 10) Develop and/or review of engineering reports and geotechnical aspects of plans and specifications for QA/QC purposes.

SCHEDULE OC SCOPE OF SERVICES

- 11) Construction site inspections and review of geotechnical quality control test results to ensure compliance with the project plans and specifications.
- 12) QA/QC review of geotechnical reports prepared by others.
- 13) Review of geotechnical engineering related documents such as current and proposed FEMA and USACE standards, and guidelines related to flood control, watershed, water utility, and water supply projects, and evaluate their impacts on Valley Water projects.
- 14) Developing cost estimates using Association for the Advancement of Cost Engineering (AACE) Classes 4, 3, and 2 construction cost estimates.
- 15) Design-related services also includes research, and review of Planning Phase documents and reports to use as a basis for the design, as well as to conduct necessary field investigations (i.e. geotechnical, etc) to establish a Project Base Map, Basis for Design Report, 30%, 60%, 90%, and 100% Final Design Document Preparations, Bid and Award Services, and Design Clarification during Construction.

- C. Consultant will be precluded from entering into contracts for subsequent construction and construction management projects that are a part of these On-Call geotechnical engineering and design-related services projects. Eligibility to bid under Section 1090 will be evaluated on the specific facts as they exist at the time of bidding on the subsequent planning and design projects.

3. Project Objectives

- A. The Santa Clara Valley Water District (Valley Water) implements a number of capital and operational projects and programs to meet its mission and goals in water supply, flood protection and watershed stewardship. The on-call services provided pursuant to this Agreement will augment the services of Valley Water staff and provide additional geotechnical engineering and design-related services as needed.
- B. All Services required pursuant to this Agreement will be provided only on an as-needed/as-requested basis by the issuance of an authorized Task Order by the Valley Water to the Consultant. A project scope will be developed for each task order, including deliverables for a total not-to-exceed amount. No work will be performed without a task order. The Consultant will perform services on a Task Order Basis as authorized by the Valley Water Project Manager (VWPM), as set forth in the Standard On-Call Consultant Agreement, Section Twelve, Miscellaneous Provisions, subsection 13. Task Orders.

4. Background

- A. The mission of the Santa Clara Valley Water District (Valley Water) is to provide Silicon Valley safe, clean water for a healthy life, environment, and economy.

Valley Water is a public agency providing water supply, flood protection, and stream stewardship for Santa Clara County. Valley Water manages an integrated water resources system that includes the supply of clean safe water, flood protection and stewardship of streams on behalf of Santa Clara County's 2 million residents. Valley Water effectively manages ten dams and surface water reservoirs, three water treatment plants, a state-of-the-art water quality laboratory, and more than 295 miles of streams. For information about Valley Water, visit www.valleywater.org.

SCHEDULE OC SCOPE OF SERVICES

- B. The Valley Water geotechnical engineering staff routinely provides technical support for capital and operational projects. The on-call services under this contract will augment the services of Valley Water staff and provide additional geotechnical engineering and design-related services as needed.

5. Intent

- A. Valley Water has retained four (4) separate consultants to perform on-call geotechnical engineering and design-related services during the same timeframe. As a result of Valley Water's competitive selection process, task orders will be assigned on a rotational basis, starting with the top-ranked firm, when conflicts of interest do not exist. There is no guarantee of any amount of work that will be given to each of the consultants. Valley Water's Project Manager is responsible for administering the task orders for assigned work among the four (4) firms for the term of the Agreements.
- B. This Schedule OC, Scope of Services describes the on-call geotechnical engineering and design-related professional services to be performed by Consultant for Valley Water's projects (Project). The deliverables, number of staff hours, and proposed staff for each Task Order will depend on the nature and scope of services requested by Valley Water, as well as the not-to-exceed fees of the Agreement, and will be negotiated along with the Services, payment terms, and not-to-exceed fees for each Task Order. There is no guarantee of any amount of work that will be given to the selected firm.
- C. Task Orders will not be issued to Consultant when Consultant cannot perform the Services due a conflict of interest or if all funds in this Agreement have been expended.
- D. Conflict of Interest. In addition to Valley Water's General Terms and Conditions, the following will apply with regard to conflict of interest:
 - 1) Consultant may be awarded multiple Task Orders pursuant to this agreement, for the same Valley Water Project.
 - 2) Consultant is precluded from performing services for any other entity, or in any other capacity for Valley Water, on the same Valley Water project, for which a Task Order has been issued.
 - 3) Task Orders will be voided when the Consultant cannot perform the Services due to a conflict of interest.
 - 4) Consultant must bring the conflict of interest to Valley Water's attention as soon as the Consultant is aware of the potential conflict.
 - 5) If Consultant is already performing services on a Valley Water project, unrelated to this Agreement, in any capacity, a Task Order related to that project will not be issued pursuant to this Agreement.

6. Assumptions and Requirements

A. General Assumptions and Requirements

- 1) **Manage Scope of Services.** Consultant shall manage the Scope of Services such that the work is completed within the Not-to-Exceed Fees limit and in accordance with the Project schedule and ensure that all services and deliverables meet Valley Water and Project objectives and requirements.

SCHEDULE OC SCOPE OF SERVICES

- 2) **Deliverable Format.** Consultant shall submit deliverables in both electronic and hardcopy format, if requested. Deliverables shall be submitted in PDF and native (editable) format, including Word documents, Excel spreadsheets, PowerPoint files, Autodesk files, etc. The hard copy deliverables shall be printed in professional quality presentation and submitted in 5 (five) copies, if requested. Valley Water may require original copies of signed documents and/or scanned (Adobe PDF) versions.
- a. Valley Water Standardization Requirements
- (1) Consultant shall perform the Services utilizing Valley Water nomenclature, standardized forms, software requirements, documented procedures, and best management practices. Consultant shall use Microsoft Office software and Autodesk Civil 3D software that is compatible with Valley Water's current Microsoft Office software and Autodesk software used at the time(s) Valley Water issues a Notice to Proceed pursuant to this Agreement.
- (2) Engineering drawings prepared by Consultant must be in compliance with Valley Water's Computer-Aided Design and Drafting (CADD) standards including line types, line weights, text sizes, text orientation, dimensioning, labeling/numbering system for detailed plan views and detailed section views. Drawings prepared using different CADD software and versions must be converted to be compatible with Valley Water's CADD software at no additional cost to Valley Water. Prior to acceptance, Valley Water reserves the right to test the submitted CADD files to verify that the files are not corrupted or missing linkages (for blocks, etc., used in the drawings) and that the standards are retained during the conversion process used by the Consultant.
- 3) **Review of Deliverables.** Valley Water will review and comment on all Project deliverables and forward to the Consultant for revision and preparation of final versions. As determined by Valley Water, some of the deliverables may also be subject to review and comment from regulatory agencies and stakeholders following Valley Water review process. For each deliverable, Valley Water will collect comments from all Valley Water stakeholders and provide a single set of consolidated comments to the Consultant. The comments provided by Valley Water staff during the workshops will be documented by the Consultant as meeting minutes and will be included in the next revision of the documents.
- 4) **Valley Water Quality Environmental Management System.** Valley Water maintains a Quality Environmental Management System (QEMS) which has procedures, guidelines, and work instructions for the performance of various Valley Water work. If requested, the Consultant will perform the applicable Agreement tasks and/or sub-tasks in accordance with the QEMS framework. In such situations, Valley Water will provide the Consultant with the specific QEMS procedure, guideline, and/or work instruction prior to the preparation of such deliverables.
- 5) **Consultant Responsibility.** Consultant, with its expertise in performing the Services described herein, is responsible for making the appropriate assumptions in each task to complete each task's deliverables and to achieve the Project objectives of this Agreement as described in section 3. Project Objectives.

SCHEDULE OC SCOPE OF SERVICES

- 6) **Document Control.** Consultant must utilize the document control system designated by Valley Water (Capital Project Management and Project Control's Program).

- 7) **File Exchange Service.**
 - a. Consultant must utilize the file exchange service designated by Valley Water (Capital Project Management and Project Controls Program), accessible to all parties as designated by Valley Water, to facilitate communications.

 - b. Consultant may need to coordinate with Valley Water's Capital Project Management and Project Controls Program (CPMPC@valleywater.org) to address any firewall issues and/or permissions required to allow for these communications.

- 8) **Completeness.**
 - a. The completeness of a design set is determined primarily by the substance of the materials on the set, including the adequacy of background and relevant information. Three levels of completeness of a design set are defined using these four terms: Partially Complete; Substantially Complete; Virtually Complete; and Complete.

 - b. A Complete Design Set must include all the information required for a constructible set of plans and specifications; include a project cost estimate; and provide sufficient direction to enable the construction to be performed. The set must be ready for engineering certification (stamping, signing and dating) by a Registered Professional Engineer(s). The set must show the work with complete details and dimensions; identify all constraints; include all background information and provide dimensions, and comply with all drafting, specifications and cost estimating standards.

- 9) **Quality Assurance / Quality Control (QA/QC) Program.**
 - a. Consultant will develop and implement ongoing, proven QA/QC procedures. Consultant will implement a formal Quality Management Program to ensure that Valley Water receives quality-controlled deliverables. The Program will include quality control checks of calculations and work products, as well as quality assurance reviews and documentation of the quality control process. Consultant's QA/QC procedures will include a review of all deliverables using appropriately qualified technical resources and advisors for the Project.

 - b. The QA/QC procedures must include details and methodology for reviewing documents, including technical memos, and cost estimates. Reviews will be assigned, and sign-off procedures will be documented.

 - c. Consultant must provide records that demonstrate that quality reviews were performed on Consultant and Subconsultant deliverables.

SCHEDULE OC SCOPE OF SERVICES

B. Project-Specific Assumptions and Requirements

- 1) Valley Water may request from the consulting firm or individual any or all of the below tasks, according to the needs of the project assigned. Consultant must be well-staffed to render these services expeditiously upon request.
 - a. Any Task Orders issued for professional design services, Valley Water may, at its discretion, choose to negotiate an amendment to the Task Order issued with Consultant, as engineer-of-record, for construction phase engineering support services. The amended task order for engineering support during construction (ESDC) shall require approval as stated in Appendix One, Additional Legal Terms, subsection 4, Task Order Approvals; or
 - b. Valley Water may, at its discretion, choose to initiate a new consultant agreement selection process for services for any subsequent phase(s) and/or utilize Valley Water staff to perform such services

6. Scope of Services Task Orders

- A. The scope of On-Call services may include tasks and subtasks as described below, only as appropriate and necessary to accomplish Valley Water's objective for the particular Task Order. Tasks and deliverables will be determined on a task order basis.
- B. The Valley Water Project Manager (VWPM) will identify and communicate the applicable tasks and services based on the menu of tasks listed below to be provided to the Consultant. After the tasks and Services are identified and communicated to Consultant by VWPM, Consultant will prepare a proposed Task Order proposal in accordance with the Standard On-Call Consultant Agreement, Section Twelve, Miscellaneous Provisions, subsection 13. Task Orders.

Task 1 – Task Order Project Management and Coordination

- 1.1 Project controls activities such as development and tracking of schedule and budget.
- 1.2 Provide project management and coordination of assigned task orders.
- 1.3 Conduct project meetings with VWPM and Valley Water staff to review progress of assigned task orders.
- 1.4 Prepare monthly status reports detailing progress of assigned task orders.

Task 1 – Deliverables

1. To be determined on a task order basis

Task 1 – Assumptions

1. To be determined on a task order basis

Task 2 - Project Management and Coordination

The purpose of this task is for Consultant to manage this Scope of Services such that the work is completed within the not-to-exceed fees limit stated in Schedule OC, Attachment One, Fees

SCHEDULE OC SCOPE OF SERVICES

and Payments, and in accordance with the Project Schedule stated in Schedule OC, Attachment Two, Schedule of Completion, while ensuring that all services and deliverables by the Consultant meet Valley Water and Project requirements.

2.1 Project Work Plan

Consultant will prepare a Project Work Plan in accordance with this Scope of Services.

2.2.1 The Project Work Plan shall include Project objectives, requirements, constraints, a detailed Project Schedule (showing major tasks and deliverables), a breakdown of Consultant's costs for the major tasks, a list of the Consultant's team members and their roles and responsibilities, communication protocols (internal and external), document control procedures, and other administrative procedures.

2.2.2 The Project Work Plan shall include a QA/QC Plan documenting the Consultant's procedures to ensure the Consultant's services and deliverables meet Valley Water requirements and accepted practices and standards of the Consultant's profession. Valley Water reserves the right to request and review the Consultant's Project documentation demonstrating its adherence with their own quality assurance procedures.

2.3 Progress Meeting and Workshops

Valley Water and Consultant key staff and subconsultants, as determined necessary and appropriate by Consultant, subject to VWPM approval, or at Valley Water's direction, will coordinate and attend periodic progress meetings and workshops with Valley Water staff, regulatory and resource agencies, and review boards, as needed, to review, discuss and progress of the work. For each meeting or workshop, the Consultant will prepare the meeting agenda and notes and submit them for review by Valley Water.

2.4 One-on-One Meetings with Valley Water

Consultant Project Manager must provide a brief update of the team's work activities completed within the week, the look-ahead activities, and the issues and actions that require Valley Water's attention. The meeting schedule will be established by Valley Water, weekly/biweekly either in person, or by done, at Valley Water's discretion.

2.5 Coordination and Communication with External Agencies

Consultant will assist Valley Water with coordination and communication with appropriate regulatory or other agencies, as necessary, to execute this Scope of Services. This task includes support in drafting correspondence related to the Consultant's Project activities as requested by Valley Water.

2.6 Public Outreach

If requested, Consultant will provide support and assistance with Valley Water's public outreach activities. Such assistance may include coordination, preparation, and participation including, preparing presentation materials, attendance at meetings, preparation of newsletters, graphics, updates to the Project website, developing responses to questions, and other tasks as directed by the VWPM or delegated to other Valley Water staff.

SCHEDULE OC SCOPE OF SERVICES

Task 2 - Deliverables

1. Project Work Plan including QA/QC Plan (Draft, Draft Final and Final)
2. Meeting Agendas, Minutes, and Presentations
3. Weekly Meetings/Conference Calls attendance and notes; frequency of meetings and calls will be at Valley Water's discretion
4. Monthly Status Reports

Task 2 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 3 - Geotechnical Site Characterization

3.1 Following the Federal Emergency Agency (FEMA) and U.S. Army Corps of Engineers (USACE) standards and guidelines, Consultant will perform the following to facilitate analysis and evaluation of existing or new flood protection, water storage and treatment facilities, stream and channel modifications, such as:

- 3.1.1 Geological and geotechnical data review
- 3.1.2 Site reconnaissance
- 3.1.3 Geologic mapping, and/or site-specific field investigations including, but not limited to, exploratory borings and in-situ testing, groundwater monitoring wells and/or device, field permeability testing, and laboratory testing of samples
- 3.1.4 Identify geologic settings
- 3.1.5 Characterize site geologically and geotechnically

3.2 Consultant will provide geotechnical and geologic data for these facilities following the latest FEMA and USACE's design guidelines.

Task 3 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 3 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 4 - Geotechnical Engineering Design Services

4.1 Consultant will perform geotechnical engineering analysis, evaluation and recommendations, including appropriate level of seismic hazard evaluation for the following:

- 4.1.1 Design of various shallow and deep foundations including lateral load resistance capacity of Valley Water buildings and facilities;
- 4.1.2 Stability and earth loading of flood walls, levees, retaining walls;
- 4.1.3 Channel bank slope stability and erosion repair/stabilization; and

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4.1.4 Underground utility lines

- 4.2** Consultant shall utilize Underground Service Alert (USA), a private utility locator service sub-consultant, and other means and methods as appropriate, to mark and clear buried utilities from the proposed boring locations at each project site. Consultant shall follow all standard procedures, due diligence, and care in clearing the boring locations from underground utilities, and be held liable for any damage to the utility caused by Consultant errors and omissions or negligence, including those of its sub-consultants. Valley Water shall be held harmless for any damage done to the utility during drilling operations performed by Consultant.

Task 4 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 4 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 5 - Pavement Design

Consultant will perform investigations, evaluation, and recommendations for pavement design criteria.

Task 5 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 5 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 6 - Quality Assurance / Quality Control

- 6.1 Consultant will develop and/or review of engineering reports and geotechnical aspects of plans and specifications for Quality Assurance/Quality Control (QA/QC) purposes.
- 6.2 Consultant will perform QA/QC review of geotechnical reports prepared by others.

Task 6 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 6 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.

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2. To be determined on a Task Order basis.

Task 7 - Plans and Specifications

Consultant will perform construction site inspections and review of geotechnical quality control test results to ensure compliance with the project plans and specifications.

Task 7 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 7 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 8 - Design Standards and Guidelines

Consultant will review geotechnical engineering-related documents such as current and proposed FEMA and USACE standards, and guidelines related to flood control, watershed, water utility, and water supply projects and evaluate their impacts on Valley Water projects.

Task 8 - Deliverables

1. Deliverables will be based on a case-by-case Task assignment. Specific task order deliverables will be listed in the specific task order issued to the Consultant.

Task 8 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 9 - Data Collection and Investigations

The purpose of this task is to research, review, and use Planning Phase deliverables as a basis for the design, as well as to conduct necessary field investigations (i.e., geotechnical) to establish a Project Base Map, and prepare reports that will inform the design. Consultant shall collect all the data and conduct all investigations that are needed to complete the final design.

9.1 Research and Review of Available Project Documentation. Consultant will research and review available relevant documents and standards provided by Valley Water.

9.2 Project Base Map. Consultant will prepare and submit a Project Base Map, survey data, drawings, utility info, etc. and data as necessary to complete required studies and prepare contract drawings for the Project. Base Map preparation shall include, but not be limited to:

9.2.1 Collect existing survey, topographical, GIS, property, easements and rights of way and utility/infrastructure data as applicable to generation of the Project Base Map for purposes of final design.

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- 9.2.2 Review data for existing utilities, pipelines, and other infrastructure to determine where it is necessary to verify locations for design and inclusion in final drawings. At critical locations, the Consultant will pothole existing utilities, pipelines, and other infrastructure as necessary to verify location for design and inclusion in the final drawings.
- 9.2.3 Base map preparation must conform to Valley Water Standards for GIS Products (Attachment Four to Schedule D, Reference Materials).

9.3 Geotechnical Investigations. Consultant shall review previously completed relevant geotechnical reports and recommend additional investigations, if needed. Consultant shall prepare a Geotechnical Investigations Work Plan (Draft, Draft Final, and Final), which will describe the goals of the investigations needed, the exploration locations and depths, the access and drilling methods, and the instrumentation and in-situ testing methods (if needed). The investigation will be designed to provide adequate data for the engineering analyses, the development of the Geotechnical Data Report and the Basis of Design Report.

9.3.1 Conduct Geotechnical/Subsurface Investigations as needed for the detailed design and identified in the Geotechnical Investigations Work Plan (Draft, Draft Final, and Final). Consultant is responsible for the proper disposal of spoils generated from the investigations activities and to provide documentation of such disposal actions to Valley Water.

9.3.2 Additional Geotechnical Investigations may be approved by Valley Water with justification, to fill in data gaps identified as the detailed design progresses.

9.3.3 **Laboratory Testing Program.** Consultant shall develop a material testing program to provide all necessary data (index and performance testing) for analysis and design of the Project, for approval by Valley Water and other stakeholders identified by Valley Water. The tests will include index, hydraulic conductivity, compaction, consolidation, and strength tests.

9.3.4 **Geotechnical Investigations/Data Report.** Consultant shall develop a Geotechnical Investigation/Data Report (Draft, Draft Final, and Final) which will document the investigations performed and present the data obtained and the results of the field exploration and laboratory testing work completed as well as other the results of other investigations previously completed relating to this Project. The report shall also include a summary of the soil and geologic conditions, previous and current investigations and explorations, methodology, materials encountered and the laboratory testing program.

9.3.5 **Geotechnical Design/Baseline Report.** Consultant shall prepare and submit a Geotechnical Design/Baseline Report (Draft, Draft Final, and Final) that provides an analysis, assessment and interpretation of the existing subsurface conditions. The report will also provide appropriate design recommendations for the basis of design, final design and construction. It will also provide information to the contractor and guidance to Valley Water in the management and monitoring performance during construction. The report shall reference other geotechnical studies previously performed on the Project and other historical studies from the

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site vicinity. This report may or may not be combined with the Geotechnical Investigation/Data Report if directed by Valley Water.

Task 9 - Deliverables

1. Project Base Map
2. Geotechnical Investigation Work Plan (Draft, Draft Final and Final)
3. Geotechnical Investigation/Data Report (Draft, Draft Final and Final)
4. Geotechnical Baseline/Design Report (Draft, Draft Final and Final)

Task 9 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 10 - Basis of Design

The purpose of this Task is to perform the engineering analyses, calculations, and interpretations that are required to support and develop the Basis of Design for the Project. Consultant is responsible for developing a comprehensive scope of work and performing independent analyses, as appropriate, to fully develop the Basis of Design without relying solely on work completed by others to achieve this purpose. The supporting analyses, calculations, and other standards and detailed design information shall be used to prepare a biddable and constructible set of Plans and Specifications and Engineering Cost Estimates for the Project.

10.1 Design Criteria Memorandum. The Design Criteria Memorandum (DCM) will define the basic criteria and guidance that will be utilized during design. It will include Valley Water basic operations requirements, Project performance requirements, and other stakeholders' design criteria as identified by Valley Water. It will document geotechnical, civil, structural, standards to be used in the analyses and design. Pertinent codes and references will be cited. The DCM will be issued in Draft form and updated as design progresses through the various design stages.

10.2 Basis of Design Report. Consultant shall prepare a full Basis of Design Report (Draft, Draft Final, and Final) to define the technical requirements and parameters for the Project including the fields of civil, geotechnical, maintenance, and others, as appropriate.

10.2.1 The Basis of Design Report may include but is not limited to the following: description of the general arrangement of existing and new Project facilities; summary of the pertinent findings of field investigations; basis for material properties for use in analyses; construction materials source assessment (on-site and commercial); foundation characterization to assess excavation requirements and foundation acceptance criteria; groundwater dewatering requirements; civil and geotechnical design of the Project elements for analyses; design of disposal sites; and access roadwork.

10.2.2 The Basis of Design Report is to be updated throughout the design phase, if required. Upon completion of final design, the Basis of Design Report shall be updated to reflect any changes or additions that occurred over the course of the design development as detailed in the final design document preparation.

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Task 10 - Deliverables

1. Design Criteria Memorandum (Multiple Drafts and Final)
2. Basis of Design Report (Draft, Draft Final and Final)

Task 10 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 11 - 30% Design Document Preparation

The 30% design set shall establish primary drawings and specifications and shall include newly developed design details and/or refinement of the preliminary design prepared during the planning phase. The 30% design set will incorporate requirements and criteria identified in the Basis of Design documents and describe the construction scope in more detail. The level of completeness shall be Partially Complete to Substantially Complete.

11.1 Sample Drawings and Specifications. Consultant shall prepare, and submit to Valley Water, sample drawings and specifications for Valley Water review and approval to ensure that Drafting Standards are being adopted into the plan set and the specifications also follow Valley Water Specification standards.

11.1.1 The sample drawings shall include an index drawing numbering scheme, file naming labeling, layout, and format.

11.1.2 For specification development, the Consultant shall use Valley Water's Standard Provisions (boilerplate) and Valley Water's Special Provisions format. Consultant shall recommend edits and additions to Valley Water Provisions where appropriate.

11.1.3 Consultant shall submit a recommended format for the Technical provisions, for review and approval by Valley Water.

11.2 30% Plans, Specification and Cost Estimate. Consultant shall prepare and submit 30% drawings, specifications, and an Association for the Advancement of Cost Engineering (AACE) Class 4 construction cost estimate. The plans shall include the detailed design elements, at the 30% level of design, and the specification shall include detailed outlines of the technical specifications. Cost estimates for the most significant lines of the work breakdown structure shall be "bottom-up" estimates. The basis for field and office overhead, other markups, and profit shall be clearly identified in the estimate.

11.2.1 Valley Water has a separate bid proposal package/template for which the Consultant shall provide input, as requested by Valley Water. Multiple, intermediate submittals of Special Provision sections to Valley Water are anticipated to reconcile referencing and formatting issues.

11.3 Review Meetings. Consultant will conduct a 30% review meeting/workshop with Valley Water to review and discuss Valley Water comments. Consultant will compile comments generated during the review. This sub-task is funded pursuant to sub-task 2.3 Progress Meetings and Workshops.

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11.4 Additional Review Meetings. Consultant shall identify and attend meetings, workshops and consultations with Valley Water as needed to complete the 30% design tasks. This sub-task is funded pursuant to sub-task 1.6.1 Additional Review Meetings.

Task 11 - Deliverables

1. Sample Drawings and Specifications
2. 30% Plans and Specifications, and 30% AACE Class 4 Construction Cost Estimate (Preliminary and Final)
3. Preliminary Conceptual Design Calculations

Task 11 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 12 - 60% Design Document Preparation

Consultant shall incorporate into the 60% design set the additional requirements, criteria, and details that were not included in the 30% design set. It shall address the comments received and reflect necessary revisions and resolved issues from the 30% design set. It shall be ready for agency permitting review. The level of completeness shall be Substantially Complete to Virtually Complete and ready for permitting agency review.

- 12.1 60% Plans, Specification and Cost Estimate.** Consultant shall prepare and submit 60% drawings, specifications, and an AACE Class 3 construction cost estimate. The drawings, sections, and details must be substantially completed. Cost estimates for the most significant lines of the work breakdown structure shall be “bottom-up” estimates based on assumed productivity, equipment, and labor spreads for the activities. The basis for field and office overhead, other markups, and profit shall be clearly identified in the estimate. The submittal shall address the review comments in the 30% Design Comment Resolution Document.
- 12.2 Review Meetings.** Consultant will conduct a 60% review meeting/workshop with Valley Water to review and discuss Valley Water comments. Consultant will compile a Comment Resolution Document. The Comment Resolution Document shall list collected comments, proposed means of resolution, and means to document that resolution is completed in the next design submittal.
- 12.3 Additional Review Meetings.** Consultant shall identify and attend design input meetings, workshops and consultations with Valley Water as needed to complete the 60% design tasks.
- 12.4 Draft Bid Items.** Consultant shall prepare draft bid items at the 60% level of design, including a Technical Memorandum that explains the basis for the bid items and the strategies related to risk and cost uncertainty associated with work that may be difficult to define.
- 12.5 Project Completion.** Provisions regarding milestones, testing, and acceptance schedule and criteria for the Project aligned with completion and payment for the Contractor’s completion of each milestone are to be included in the Project specifications.

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Task 12 - Deliverables

1. 60% Plans, Specifications, and AACE Class 3 Construction Cost Estimate (Preliminary and Final)
2. 60% Design Comment Resolution Document
3. Draft Bid Items & Supporting Technical Memorandum
4. Valley Water Review Comment Matrix
5. Draft Design Calculations

Task 12 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 13 - 90% Design Document Preparation

The 90% design set shall reflect the revisions and resolutions required from the comments received for the 60% design set. It shall also incorporate any permit conditions established by regulatory agencies. The level of completeness shall be Complete.

- 13.1 90% Plans, Specification and Cost Estimate.** Consultant shall prepare and submit 90% drawings, specifications, and an AACE Class 2 construction cost estimate. The submittal shall be a complete drawing and specification set at or near the level of completion for construction. The cost estimate shall be based on an updated, detailed logical work breakdown structure based on the 90% plans and specifications. The submittal shall address the comments in the Design Comment Resolution Document.
- 13.2 Review Meetings.** Consultant will conduct a 90% review meeting/workshop with Valley Water to review and discuss Valley Water comments. Consultant will compile a Comment Resolution Document. The Comment Resolution Document shall list collected comments, proposed means of resolution, and means to document that resolution is completed in the next design submittal.
- 13.3 Additional Review Meetings.** Consultant shall coordinate and attend design input meetings, workshops, and consultations with Valley Water as needed to complete the 90% design tasks.
- 13.4 Technical Design Document Update.** Consultant shall prepare and/or update the Basis of Design Report, Design Criteria (Technical) Memorandums, analyses, calculations, etc., as identified in previous task.
- 13.5 Draft Bid Items.** Consultant shall update the draft bid items to the 90% level of design, including a Technical Memorandum that explains the basis for the bid sheet and the strategies related to risk and cost uncertainty associated with work that may be difficult to define. Provisions regarding milestones, testing, and acceptance schedule and criteria for the Project aligned with completion and payment for the Contractor's completion of each milestone to be included in the Project specifications.
- 13.6 Constructability/Sequencing Requirements for the Contractor.** Consultant shall prepare/update a Construction Sequencing Plan and/or Specification, which will identify key milestone dates to be met during construction, and will include specific provisions for incorporation into the Contractor's plan, as needed.

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Task 13 - Deliverables

1. 90% Plans, Specifications, and AACE Class 2 Construction Cost Estimate (Preliminary and Final)
2. 90% Design Comment Resolution Document (Preliminary and Final)
3. Updated Basis of Design Report, Design Criteria Technical Memorandums, and all supporting analyses and calculations, as identified in this Scope of Services (Draft and Final)
4. Updated Draft Bid Sheet and Supporting Technical Memorandum (Draft and Final)
5. 90% Construction Sequencing Plan and Specification (Draft and Final)
6. Draft Design Calculations

Task 13 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 14 - Final Design Document Preparation

The 100% Design Set shall be a fully completed, signed, and sealed set of Plans, Specifications and Cost Estimate that is ready for construction bidding. The 90% design set will be revised, as necessary, to address any remaining permitting agency comments.

14.1 100% Plans, Specifications, Cost Estimate and Engineering Documents.

Consultant shall prepare and submit 100% Design and Contract Documents (Contract Documents) for Valley Water review, including:

- 14.1.1 Plans and Specifications that address 90% review comments and design modifications or clarifications, as required.
- 14.1.2 100% Class 2 Engineer's Estimate as defined by AACE.
- 14.1.3 The Final Basis of Design Report with all revisions incorporated.
- 14.1.4 All Engineering Analysis and Calculations completed and checked as per the QA/QC Plan and assembled in accordance with the relevant design analyses sections in the Basis of Design Report.
- 14.1.5 100% Design Comments Resolution Form.

14.2 Bid Set. Prepare and submit Bid Set including:

- 14.2.1 Final plans and specifications (signed and stamped), Engineer's Estimate, Basis of Design Report, and Engineering Calculations, if necessary, which include revisions that address and resolve all outstanding issues.

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14.3 Design-to-Construction Phase Transition Report. Consultant shall prepare a Design-to-Construction Phase Transition Report.

Task 14 - Deliverables

1. 100% Plans, Specifications, AACE Class 2 Cost Estimate and Engineering Documents
2. Final Basis of Design Report
3. Engineering Analysis and Calculations (Final Calculation Package)
4. 100% Comment Resolution Document
5. Bid Set that includes Final Plans and Specifications (signed and stamped), including Standard Provisions, Special Provisions, Technical Provisions, Appendices, Notice to Bidders, Geotechnical Data Report, Geotechnical Baseline Report, and other bid documents
6. Design-to-Construction Phase Transition Report (Draft, Draft Final and Final)

Task 14 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.
3. Valley Water will provide a set of Standard Provisions to the Consultant to be incorporated into the Bid Set. The Consultant will not modify the Standard Provisions.

Task 15 - Bid and Award Services

Upon Valley Water’s request, Consultant shall provide the following Services during the bidding process of the Project:

15.1 Bidder’s Questions. Responding to bidders’ questions pertaining to the Bid Set within two business days of receipt of Valley Water’s written request. Consultant will maintain a log of bidders’ questions and responses, including whether any questions require preparing addenda to the Bid Set.

15.2 Pre-Bid Meeting. Attending the pre-bid meeting, including a site visit, and assisting with preparation of documents to be distributed at the meeting.

15.3 Addenda. Preparing bid document addenda if clarifications or changes to documents in the Bid Set are needed, which includes:

15.3.1 Changes to drawings will be shown on 8.5 x 11 sheets to the extent possible.

15.3.2 Changes to drawings will be signed and stamped and will be provided within five business days of the written request from Valley Water.

15.3.3 During preparation of each addendum, Consultant shall evaluate any construction schedule and cost impact of the addendum and submit to Valley Water for consideration prior to finalizing addendum.

15.4 Conformed Contract Documents. Preparing a Conformed Set of construction Contract Documents after construction bids are received for use during construction.

Task 15 - Deliverables

1. Written responses to bidders’ questions and associated log

SCHEDULE OC SCOPE OF SERVICES

2. Minutes
3. Addenda to bid documents
4. Electronic versions of stamped and signed conformed set of construction Contract Documents
5. Stamped and electronic- or wet-signed conformed set of contract documents (electronic and hard copy) for use during Project construction

Task 15 - Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 16 - Design Clarification and Services during Construction

On an as-needed basis, the Consultant shall prepare documentation to clarify or supplement technical design presented in the construction Contract Documents at the request of the construction contractor forwarded by Valley Water or by the Valley Water project team. The Consultant shall provide Design Clarification Memorandums to Valley Water Construction Management. On an as-needed basis, the Consultant shall review and prepare responses to requests for information (RFIs) and submittals that may arise during construction.

Task 16 - Deliverables

1. Design Clarification Memorandums
2. Response(s) to RFIs
3. Response(s) to Submittals

Task 16 – Assumptions

1. It is assumed the Consultant will be requested to perform all tasks.
2. To be determined on a Task Order basis.

Task 17 - Additional Services

17.1 Additional Services. Consultant will provide additional quantities of previously identified services as requested by Valley Water. Consultant will provide additional services, including quantity of tasks and deliverables, beyond those stated in Task 1 through 16 as Task 17 Additional Services, to include but not be limited to:

- 17.1.1 Additional meetings;
- 17.1.2 Additional time allotted for meetings; site visits; field inspections, part-time/full-time observations, etc.
- 17.1.3 Additional status/progress reports;
- 17.1.4 Additional phone conference calls, site visits;

Task 17 - Deliverables

1. Deliverables will be identified in each Task Order

Task 17 - Assumptions

1. Assumptions will be identified in each Task Order.

**SCHEDULE OC
SCOPE OF SERVICES**

7. Attachments

The following Standard On-Call Consultant Attachments are incorporated herein by this reference as though set forth in full:

Attachment One - Fees and Payments

Attachment Two - Schedule of Completion

Attachment Three - Consultant's Key Staff and Subconsultants

Attachment Four - Reference Materials

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**SCHEDULE OC
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 \$11,000,000 (Not-to-Exceed Fees or NTE). There is no guarantee of any particular amount of compensation to Consultant under this Agreement. The \$11,000,000 also represents a Not-To-Exceed Aggregate Fee amount that shall apply to each On-Call Agreement awarded for on-call geotechnical engineering and design-related services. The NTE Aggregate Fee shall also be a total NTE amount to be shared, distributed to, and drawn from, by all On-Call Agreements for on-call geotechnical engineering and design-related services. The maximum aggregate compensation that Valley Water has authorized to be expended will not exceed the amount as indicated above. 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.** However, in valuable consideration for Consultant's agreement to be on-call to perform services for Valley Water upon request with no minimum guaranteed amount of work, Valley Water will pay Consultant Five Hundred Dollars (\$500) on or before the expiration of this Agreement if Valley Water has not requested to utilize Consultant's services during the agreement term.

2. Terms and Conditions

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

- 1) 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/Unit Rate Schedule.
- 2) 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.

B. 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

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

services, printing services, film and processing, plotting, and supplies. These other direct expenses as approved by Valley Water Project Manager (VWPM) 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 detailed receipts for each other direct expense item(s) with monthly invoices submitted.

- 2) Equipment purchased on behalf of Valley Water that costs \$50 or more must receive the prior written approval of Valley Water Project Manager (VWPM). 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 (VWPM). 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 (VWPM) for a different type of vehicle.
- 4) Expenses incurred by the Consultant, including 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.
- 5) For staff with rates exceeding the rate of \$300.00/hr., the Consultant must obtain written approval from the Valley Water Project Manager (VWPM) as to the numbers of hours per task prior to that individual working on the Project.

C. Prevailing Wage Requirements

- 1) The Scope of Services described in a Task Order may be considered by Valley Water to be "Public Works" requiring the payment of prevailing wages. See the Standard On-Call Consultant Agreement, Section Four, Fees and Payments, subsection 3. Prevailing Wages, to ascertain whether any other Task/s would include "Prevailing Wage Requirements."
- 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.

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

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

(HOURLY/UNIT RATE SCHEDULE FOLLOW ON NEXT PAGE)

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**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

HOURLY/UNIT RATE SCHEDULE

| CLASSIFICATION/STAFF | HOURLY/ UNIT RATE |
|---|----------------------|
| Consultant: KLEINFELDER, INC. | |
| Senior Principal Professional | \$335.21 |
| Principal Professional | \$239.75 |
| Senior Professional | \$184.02 |
| Project Professional | \$175.00 |
| Staff Professional II * | \$166.90 |
| Staff Professional I * | \$158.80 |
| Professional* | \$133.52 |
| Senior Program Manager | \$294.57 |
| Program Manager | \$241.80 |
| Senior Project Manager | \$207.11 |
| Project Manager II | \$180.96 |
| Project Manager I | \$152.04 |
| Materials Manager I* | \$195.95 |
| Special Inspector (Non PW)* | \$155.33 |
| Technician (Non PW)* | \$123.79 |
| Senior GIS/Designer/Drafter | \$121.65 |
| GIS/Designer/Drafter* | \$106.50 |
| Senior Project Controls | \$160.85 |
| Project Controls | \$122.39 |
| Administrator* | \$94.38 |
| Technician Group 1 (PW)^ | \$216.17 |
| Technician Group 2 (PW)^ | \$210.42 |
| Technician Group 3 (PW)^ | \$191.30 |
| Technician Group 4 (PW)^ | \$176.97 |
| Subconsultant: SIEGFRIED ENGINEERING, INC. | |
| Managing Principal | \$274.00 |
| Principal | \$245.00 |
| Design Principal | \$235.00 |
| Senior Associate | \$216.00 |
| Associate | \$192.00 |
| Project Engineer | \$182.00 |
| Engineer II | \$167.00 |
| Engineer I | \$149.00 |
| Project Landscape Architect | \$180.00 |
| Landscape Architect II | \$155.00 |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Subconsultant: SIEGFRIED ENGINEERING, INC. (Cont.) | |
|---|----------|
| Landscape Architect I | \$129.00 |
| Project Land Surveyor | \$182.00 |
| Surveyor II | \$165.00 |
| Surveyor I | \$145.00 |
| Survey Crew, 2 Person | \$295.00 |
| Survey Crew, 1 Person | \$195.00 |
| Survey Party Chief | \$222.00 |
| Instrument man | \$189.00 |
| Chainmen/Rodman | \$160.00 |
| BIM Manager | \$163.00 |
| Senior Technician | \$145.00 |
| Technician III | \$129.00 |
| Technician II | \$110.00 |
| Technician I | \$95.00 |
| Expert Witness | \$418.00 |
| Clerical | \$84.00 |

SUBCONSULTANTS/VENDORS UNIT RATE SCHEDULE

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| KLEINFELDER TESTING LAB | |
| Soil Density Tests | |
| Standard Proctor | \$305/ea |
| Modified Proctor | \$305/ea |
| Rapid Determination of Compaction* | \$250/ea |
| 1-Point Proctor, Check Point | \$180/ea |
| Proctor Oversize Correction | \$95/ea |
| Treated Soil Proctor | \$400/ea |
| Minimum and Maximum Relative Density | \$535/ea |
| Maximum Density by Vibratory Hammer | \$695/ea |
| Moisture/Density, TEX 113-E | \$345/ea |
| Moisture/Density, TEX 114-E | \$345/ea |
| California Impact, CT 216 | \$285/ea |
| Soil Classification and Index Tests | |
| Visual Classification | \$37/ea |
| Sieve Analysis, % Finer than No. 200 Sieve | \$115/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Sieve Analysis, Fine | \$165/ea |
| Sieve Analysis, Coarse | \$165/ea |
| Sieve Analysis, Coarse and Fine | \$210/ea |
| Hydrometer Analysis (Requires a Sieve Analysis, not included) | \$230/ea |
| Water Content | \$32/ea |
| Water Content and Dry Unit Weight | \$58/ea |
| Atterberg Limits, Single Point | \$150/ea |
| Atterberg Limits, Multiple Point | \$230/ea |
| Soil Specific Gravity | \$285/ea |
| Soil Organic Content | \$160/ea |
| Fiber Content of Peat Soils | \$335/ea |
| Pinhole Dispersion Classification | \$660/ea |
| Soil pH | \$74/ea |
| Double Hydrometer for Dispersive Soils | \$345/ea |
| Crumb Test for Dispersive Soils | \$110/ea |
| Soil Resistivity | \$200/ea |
| Chloride Content | \$89/ea |
| Sulfate Content | \$74/ea |
| Thermal Resistivity, Per Point | \$410/ea |
| Thermal Resistivity, Dry-Out Curve | \$1,195/ea |
| Methylene Blue | \$290/ea |
| Soil Bearing Pressure Tests | |
| California Bearing Ratio, 1 Point (proctor not included) | \$440/ea |
| California Bearing Ratio, 3 Points (proctor not included) | \$820/ea |
| Resistance R-Value | \$410/ea |
| Resistance R-Value of Treated Material | \$475/ea |
| Rock Correction for R-Value | \$105/ea |
| Stabilized Soil UC Strength, 1 Point (proctor not included) | \$220/ea |
| Stabilized Soil UC Strength, Set of 3 | \$1,195/ea |
| CT373, 1 Lime Content, w/o Opt. Moist. | \$210/ea |
| CT373, 1 Lime Content | \$460/ea |
| CT373, 3 Lime Contents | \$1,385/ea |
| Eades and Grim Test (Opt. Lime Content) | \$245/ea |
| Resilient Modulus | \$600/ea |
| CTB Strength, Individual Specimen | \$230/ea |
| CTB Strength, Set of 3, Without Design | \$525/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|-------------------|
| CTB Complete Mix Design | <i>Inquire/ea</i> |
| Soil Strength and Permeability Tests | |
| Pocket Penetration Value | \$37/ea |
| Unconfined Compressive Strength | \$180/ea |
| Direct Shear, 1 Point | \$190/ea |
| Direct Shear, 3 Points | \$495/ea |
| Direct Shear, Residual Strength, Each Point | \$315/ea |
| Consolidation without Time Rate Plots | \$430/ea |
| Consolidation with 2 Time Rate Plots | \$565/ea |
| Consolidation, All Loads with Time Rates | \$800/ea |
| Collapse Potential | \$315/ea |
| One Dimensional Swell – Wetting After Loading, Series | \$380/ea |
| One Dimensional Swell – Wetting After Loading | \$220/ea |
| One Dimensional Swell – Loading After Wetting | \$600/ea |
| Expansion Index | \$245/ea |
| Denver Swell Test | \$220/ea |
| Permeability, Rigid Wall | \$565/ea |
| Permeability, Flexible Wall | \$495/ea |
| Triaxial Compression, CU, 1 Point | \$630/ea |
| Triaxial Compression, CU, 3 Points | \$1,560/ea |
| Triaxial Compression, UU, 1 Point | \$265/ea |
| Triaxial Compression, UU, 3 Points | \$800/ea |
| Triaxial Compression, UU Saturated, 1 Point | \$380/ea |
| Triaxial Test, TEX117E, Part I | \$2,250/ea |
| Triaxial Test, TEX117E, Part II | \$2,250/ea |
| Vane Shear – Motorized | \$100/ea |
| Rock Tests | |
| Rock Sample Preparation | \$150/ea |
| Rock Mohs Hardness | \$100/ea |
| Rock Point Load Index, per Point* | \$68/ea |
| Rock Slake Durability | \$250/ea |
| Rock Splitting Tensile/Brazilian, per Point* | \$125/ea |
| Rock Direct Tensile | \$250/ea |
| Rock Unconfined Compression | \$315/ea |
| Rock testing fees include routine sample preparation (end grinding) and sample photographs. | |
| Aggregate Tests | |
| ASR Reactivity, Long Method | \$2,135/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| ASR Reactivity, Short Method | \$1,195/ea |
| Cleanness Value | \$210/ea |
| Clay Lumps and Friable Particles, per size *(see note below) | \$130/ea |
| Coarse Specific Gravity & Absorption | \$125/ea |
| Fine Specific Gravity & Absorption | \$185/ea |
| Coarse Durability | \$190/ea |
| Fine Durability | \$190/ea |
| Flat and Elongated Particles, per size *(see note below) | \$120/ea |
| Fractured Faces, per size *(see note below) | \$130/ea |
| Lightweight Pieces (Per specific gravity of heavy liquid) | \$370/ea |
| Los Angeles Abrasion, Large Aggregate | \$250/ea |
| Los Angeles Abrasion, Small Aggregate | \$250/ea |
| Mortar Sand Strength | \$820/ea |
| Organic Impurities | \$125/ea |
| Sand Equivalent | \$190/ea |
| Sieve Analysis, % Finer than No. 200 Sieve | \$115/ea |
| Sieve Analysis, Fine | \$165/ea |
| Sieve Analysis, Coarse | \$165/ea |
| Sieve Analysis, Coarse and Fine | \$210/ea |
| Soundness of Aggregate, per size *(see note below) | \$190/ea |
| Unit Weight | \$84/ea |
| Water Content | \$32/ea |
| Texas Wet Ball Mill | \$380/ea |
| Decantation Wash | \$115/ea |
| Uncompacted Void Content of Fine Aggregate | \$180/ea |
| *Tests are billed by each size fraction tested. The quantity of fractions tested is dependent on the sample gradation and test method. | |
| Filter Media Tests | |
| Filter Media, Sieve Analysis (includes d10, d60, es, cu) | \$230/ea |
| Filter Media, Mohs Hardness | \$230/ea |
| Acid Solubility | \$230/ea |
| Concrete Tests | |
| Concrete Compression | \$42/ea |
| Concrete Core Compression | \$105/ea |
| Concrete Flexural Strength | \$130/ea |
| Hydraulic Cement Mortar Compression | \$42/ea |
| Concrete Drying Shrinkage, set of 3* | \$640/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------|
| Concrete Core Thickness | \$58/ea |
| Concrete Laboratory Trial Batch** | \$1,750/ea |
| Concrete Time of Set by Penetration Resistance | \$2,400/ea |
| Concrete Modulus of Elasticity | \$600/ea |
| Concrete Splitting Tensile Strength | \$175/ea |
| Concrete Absorption | \$200/ea |
| Concrete Cylinder Unit Weight | \$200/ea |
| Non-Shrink Grout Compression | \$42/ea |
| Shotcrete Compression | \$89/ea |
| Shotcrete Core Grading | \$150/ea |
| Concrete Paving Slab Modulus of Rupture | \$945/ea |
| Concrete Direct Tensile | \$525/ea |
| CLSM Compression | \$58/ea |
| *For sets greater than 3, add \$100 per prism | |
| **Includes up to 9 cylinders or 9 flex beams, additional cylinders, beams, or shrinkage prisms charged at individual rates | |
| Compacted Concrete Tests | |
| RCC Compression | \$68/ea |
| RCC Air Content | \$125/ea |
| RCC Unit Weight | \$125/ea |
| RCC Consistency and Density (VeBe) | \$1,680/ea |
| RCC Accelerated Cure | \$790/ea |
| RCC Trial Batch | <i>Inquire/ea</i> |
| Masonry Tests | |
| Masonry Grout Compression | \$42/ea |
| Masonry Mortar Compression | \$42/ea |
| Masonry Core Compression and Shear | \$210/ea |
| Masonry Prism Compression | \$160/ea |
| CMU Absorption and Received Moisture | \$125/ea |
| CMU Compression | \$130/ea |
| CMU Dimension Verification | \$60/ea |
| CMU Lineal Shrinkage | \$350/ea |
| Asphalt Tests | |
| Air Voids Determination (calculation only) | \$68/ea |
| VMA Determination (calculation only) | \$68/ea |
| VFA Determination (calculation only) | \$68/ea |
| Volumetric Properties (calculation only) | \$68/ea |
| AC Moisture Content | \$85/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------|
| Gradation of Extracted Aggregate | \$160/ea |
| AC Content by Extraction | \$375/ea |
| AC Content by Ignition Oven | \$200/ea |
| AC Ignition Oven Calibration (determination of mix correction) | \$440/ea |
| Hveem Stability | \$440/ea |
| Hveem Stability without Compaction | \$230/ea |
| Marshall Stability and Flow (does not include compaction) | \$220/ea |
| Asphalt Design and Density Tests | |
| AC Core Thickness | \$45/ea |
| AC Core Unit Weight & Thickness | \$68/ea |
| Unit Weight, Gyrotory Method | \$400/ea |
| Unit Weight, Hveem Method | \$390/ea |
| Unit Weight, Marshall Method | \$285/ea |
| Maximum Theoretical Specific Gravity | \$210/ea |
| Moisture Induced Damage | \$1,695/ea |
| Hamburg Wheel Track, Set of 2 | \$1,270/ea |
| Index of Retained Strength | \$1,445/ea |
| Indirect Tensile Strength (does not include compaction) | \$1,050/ea |
| Indirect Tensile Strength of Cored Specimen | \$440/ea |
| Caltrans Tensile Strength Ratio | \$2,310/ea |
| Caltrans Optimum Bitumen Content OGFC | \$2,135/ea |
| Film Stripping | \$190/ea |
| Mix Design, Hveem Method | <i>Inquire/ea</i> |
| Mix Design, Marshall Method | <i>Inquire/ea</i> |
| Mix Design, Superpave Method | <i>Inquire/ea</i> |
| Emulsion Tests | |
| Emulsion Settlement | \$295/ea |
| Emulsion Sieve Test | \$130/ea |
| Emulsion Storage Stability | \$230/ea |
| Emulsion Torsional Recovery | \$200/ea |
| Particle Charge | \$130/ea |
| Residue by Evaporation | \$145/ea |
| Saybolt Viscosity | \$200/ea |
| Slurry Seal Wet Track Abrasion | \$440/ea |
| Metal Tests – Bolts | |
| Bolt Assembly Suite (Bolt, Nut, Washer) * | \$300/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Bolt Hardness | \$40/ea |
| Bolt Proof Load | \$60/ea |
| Bolt Wedge Tensile | \$65/ea |
| Nut Hardness | \$40/ea |
| Nut Proof Load | \$60/ea |
| Washer Hardness | \$40/ea |
| *An assembly is one bolt, one nut and one washer. The suite consists of a bolt wedge tensile test, bolt and nut proof load tests, and harness tests on all three pieces. | |
| Metal Tests - Reinforcing Bars | |
| Bend | \$60/ea |
| Rebar Tensile, up to No. 11 | \$120/ea |
| Rebar Tensile, No. 14 and No. 18 | \$300/ea |
| Rebar Coupler Slip | \$225/ea |
| Rebar Coupler Tensile, up to No. 11 | \$150/ea |
| Rebar Coupler Tensile, No. 14 and No. 18 | \$350/ea |
| Headed Rebar Tensile, up to No. 11 | \$150/ea |
| Headed Rebar Tensile, No. 14 and No. 18 | \$350/ea |
| Modulus of Elasticity* | \$300/ea |
| Epoxy Coating Thickness | \$130/ea |
| Epoxy Coating Continuity – Holiday Test | \$130/ea |
| Epoxy Flexibility - Bending | \$130/ea |
| *Machined specimens only, in addition to the tensile fee. | |
| Metal Tests | |
| PT Strand Tensile | \$255/ea |
| Anchor Bolt Tensile, up to 1.5" dia. | \$190/ea |
| Anchor Bolt Tensile, greater than 1.5" dia. | \$350/ea |
| Reduced Section Tensile* | \$250/ea |
| Rockwell Hardness | \$40/ea |
| Macroetch | \$500/ea |
| Charpy Impact, Set of 3 ** | \$1,000/ea |
| Galvanization Thickness | \$35/ea |
| Fireproofing Density | \$115/ea |
| *Machining test specimens is not included. Additional fees for stress-strain diagram. | |
| **Machining test specimens is not included. Additional fees for testing at temperature other than 40F. | |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|--------------------------|
| Miscellaneous Tests | |
| Tensile and Elastic Modulus Polymer Composite Materials | \$805/set/5 |
| Sample Preparation | |
| Sample Cutting and Trimming | \$42/ea |
| Sample Preparation | \$75/ea |
| Sample Remolding | \$100/ea |
| Contamination Fee | <i>Varies/ea</i> |
| Sample Disposal Fee | \$10/ea |
| Materials Testing Equipment | |
| Anchor Bolt Testing Device | \$150/day |
| Brinell Hardness Tester | \$20/day |
| Concrete Rebound (Schmidt) Hammer | \$55/day |
| Concrete Vapor Emission Test Kit | \$30/kit |
| Coring Machine | \$85/day |
| Coring Machine with Generator | \$165/day |
| Cylinder Mold | \$3/ea |
| 3" Diameter Diamond Bit Core Barrel Charge | \$3/in |
| 4" Diameter Diamond Bit Core Barrel Charge | \$4/in |
| 6" Diameter Diamond Bit Core Barrel Charge | \$7/in |
| Digital Thickness Gauge | \$50/day |
| FerroScan Equipment | \$275/day |
| Floor Flatness Testing Device (Per Sq Ft) | \$0.10/sq ft |
| Floor Flatness Testing Device (Per Test) | \$150/day |
| Hand Auger and Soil Sampler | \$75/day |
| Magnetic Particle Testing Device | \$45/day |
| Nuclear Soil Density/Moisture Gauge | \$75/day |
| Skidmore Bolt Tension Calibrator | \$55/day |
| Torque Wrench, up to 1,000 foot-pounds | \$50/day |
| Ultrasonic Testing Device | \$75/day |
| Vehicles | |
| Mileage, 2 Wheel Drive (Per Mile) | Current IRS mileage rate |
| Mileage, 4 Wheel Drive (Per Mile) | Current IRS mileage rate |
| SUBCONSULTANT: 1st Call Utility Locating | |
| Half Day | \$1,200/half day |
| Each Additional Hour | \$300/hr |
| Full Day | \$2,400/hr |
| Auto CAD Sketch | \$250/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|-------------------|
| SUBCONSULTANT: Advanced Geological Services | |
| Mobilization / Demobilization | \$500/ea |
| Void Surveys (GPR) | \$1,600/field day |
| Utility survey EM61, RF pipe locator and GRPData processing & Reporting | \$500/ea |
| Utility survey EM61, RF pipe locator and GRP | \$1,300/day |
| Utility survey EM61, RF pipe locator and GRP, data processing & reporting | \$500/ea |
| Seismic Surface Wave (MASW) Surveys (2-man crew) | \$4,200/day |
| Seismic Surface Wave (MASW) Surveys data processing and reporting | \$1,500/ea |
| SUBCONSULTANT: AP Engineering and Testing | |
| Visual Classification-(ASTM D2488) | \$30/ea |
| Moisture Content-(ASTM D2216) | \$14/ea |
| Moisture Content & Density- (ASTM D2216 and D7263), Shelby Tube Sample | \$32/ea |
| Moisture Content & Density-(ASTM D2216 and D7264), Ring Sample | \$23/ea |
| Atterberg Limits- (ASTM D4318), 3 point | \$110/ea |
| Atterberg Limits-(ASTM D4318), 1 Point | \$70/ea |
| Atterberg Limits-(ASTM D4318), Non-Plastic | \$45/ea |
| Particle-Size Analysis, Coarse and Fine Sieve Analyses for Soils (from No. 200 to 3 inch) -(ASTM D6913 or C136, CT 202) | \$160/ea |
| Particle-Size Analysis, Fine Sieve Analysis for Soils (from #200 to No. 4 sieve) -(ASTM D6913 or C136, CT 202) | \$105/ea |
| Particle-Size Analysis, Particle-Size Analysis (Hydrometer with Fine Sieve as above) -(ASTM D6913 & D7928) | \$155/ea |
| Particle-Size Analysis, Particle-Size Analysis (Hydrometer with Coarse+Fine Sieves as above) -(ASTM D6913 & D7928) | \$200/ea |
| Percent Passing #200 Sieve -(ASTM D1140) | \$68/ea |
| Specific Gravity, Fine (passing No. 4 sieve)-(ASTM D854) | \$70/ea |
| Specific Gravity, Coarse (retained on No. 4 sieve)-(ASTM C127) | \$88/ea |
| Porosity (Total, Air-Filled & Water Filled) (Test includes density and specific gravity) | \$155/ea |
| Sand Equivalent Value-(ASTM D2419) | \$72/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Photograph of Specimen | \$5/ea |
| Soil pH-DOT CA Test 643 | \$23/ea |
| Electrical Resistivity-DOT CA Test 643 | \$55/ea |
| Sulfate Content-DOT CA Test 417-B | \$55/ea |
| Chloride Content-DOT CA Test 422 | \$55/ea |
| Corrosion Suite including all above | \$145/ea |
| Organic Matter Content-(ASTM D2974) | \$75/ea |
| Standard Proctor Compaction-(ASTM D698), Method A (4-inch mold) | \$145/ea |
| Standard Proctor Compaction-(ASTM D698), Method B or C (6-inch mold) | \$160/ea |
| Modified Proctor Compaction-(ASTM D1557) (including rock correction w/assumed Specific Gravity), Procedures A and B (4-inch mold) | \$160/ea |
| Modified Proctor Compaction-(ASTM D1557) (including rock correction w/assumed Specific Gravity), Procedure C (6-inch mold) | \$175/ea |
| Caltrans CT 216 | \$200/ea |
| California Bearing Ratio (CBR)-(ASTM D1883) (proctor compaction charged separately), 3 points | \$425/ea |
| California Bearing Ratio (CBR)-(ASTM D1883) (proctor compaction charged separately), 1 point | \$200/ea |
| R-Value-(ASTM D2844) | \$255/ea |
| Samples treated with Lime or Cement | \$60/ea |
| Pocket Penetrometer | \$10/ea |
| Trovane | \$10/ea |
| Direct Shear-(ASTM D 3080) (Regular Shear Rate=0.025 in/min, otherwise noted below), Single Point Direct Shear with stress-strain curve (regular speed = 0.025 in/min) | \$95/ea |
| Direct Shear-(ASTM D 3080) (Regular Shear Rate=0.025 in/min, otherwise noted below), 3-Point Direct Shear with stress-strain curves (regular speed = 0.025 in/min) | \$210/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| Direct Shear-(ASTM D 3080) (Regular Shear Rate=0.025 in/min, otherwise noted below), 3-Point Direct Shear with stress-strain curves (slow speed = 0.005 in/min) | \$285/ea |
| Direct Shear-(ASTM D 3080) (Regular Shear Rate=0.025 in/min, otherwise noted below), Residual Shear Strength (5 passes of shearing, regular 0.025 in/min speed)) | \$360/ea |
| Direct Shear-(ASTM D 3080) (Regular Shear Rate=0.025 in/min, otherwise noted below), Shelby Tube Cutting, Trimming or Remolding of Specimens (per sample) | \$45/ea |
| Static Uniaxial and Triaxial Strength Tests, Unconfined Compression (UC) - (ASTM D2166) | \$120/ea |
| Static Uniaxial and Triaxial Strength Tests, Unconsolidated Undrained (UU,Q) - (ASTM D2850) | \$145/ea |
| Static Uniaxial and Triaxial Strength Tests, Consolidated Undrained (CU,R) with Pore Pressure Measurement (per point) - (ASTM D4767) | \$340/ea |
| Static Uniaxial and Triaxial Strength Tests, Consolidated Undrained (CU,R) with Pore Pressure Measurement (per point) - (ASTM D4767) | \$340/ea |
| Static Uniaxial and Triaxial Strength Tests, Consolidated Drained (CD,S) with Volume Change on Sands (per point) - (ASTM D7181) | \$340/ea |
| Static Uniaxial and Triaxial Strength Tests, Three-Stage CU Triaxial Tests (1sample, 3 confining pressures) | \$750/ea |
| Static Uniaxial and Triaxial Strength Tests, Shelby Tube Cutting, Trimming or Remolding of Specimens (per sample) | \$45/ea |
| Consolidation Test-(ASTM D2435), Double increment loading up to 12.8 or 16 ksf and unload (10 total loads) (no full time readings/plots) | \$180/ea |
| Consolidation Test-(ASTM D2436), Each additional load or unload without full time readings/plots | \$15/ea |
| Consolidation Test-ASTM D2437, Full time readings and plot of time curve per load | \$40/ea |
| Consolidation Test-ASTM D2438, Shelby Tube Cutting, Trimming or Remolding of Specimens (per sample) | \$40/ea |
| Expansion Index Test-(ASTM D4829) | \$100/ea |
| Single Load Swell/Collapse Test-(ASTM D4546) | \$100/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Constant Head Permeability of Granular Soils -(ASTM D2434) | \$185/ea |
| Triaxial Permeability in Flexible-Wall Permeameter- (ASTM D5084) -Measurement at One Effective Stress | \$185/ea |
| Triaxial Permeability in Flexible-Wall Permeameter- (ASTM D5085) Each Additional Effective Stress | \$80/ea |
| Shelby Tube Cutting, Trimming or Remolding of Specimens (per sample) | \$45/ea |
| Uniaxial Compressive Strength of Rock Core (no stress-strain curve) | \$155/ea |
| Rock Core Cutting (per specimen) | \$45/ea |
| Slake Durability (ASTM D4644) | \$190/ea |
| Point Load Index (ASTM D5731) | \$105/ea |
| Pin Hole Dispersion | \$260/ea |
| Using pH to Estimate the Soil-Lime Proportion Requirement for Soil Stabilization (ASTM D 6276, LA Abrasion, ASTM C 131) | \$170/ea |
| Using pH to Estimate the Soil-Lime Proportion Requirement for Soil Stabilization, (ASTM D 6276, LA Abrasion, ASTM C 131, Method D) | \$125/ea |
| Sample Pickup up to 150 lbs within 30 miles radius area (24-hour notice is required) | \$125/ea |
| Preparation of clean rings and cans (recycled 6 rings per can) | \$5/can |
| SUBCONSULTANT: Asbestos TEM Laboratories, Inc. | |
| EPA Soil Screening Protocol Modified (Qualitative) 6 hrs | \$145/test |
| EPA Soil Screening Protocol Modified (Qualitative) 8 hrs | \$125/test |
| EPA Soil Screening Protocol Modified (Qualitative) 24 hrs | \$105/test |
| EPA Soil Screening Protocol Modified (Qualitative) 2 days | \$95/test |
| EPA Soil Screening Protocol Modified (Qualitative) 3 days | \$85/test |
| EPA Soil Screening Protocol Modified (Qualitative) 5 days | \$65/test |
| EPA Soil Screening Protocol Modified (Qualitative) 10 days | \$55/test |
| CARB 435 NOA PLM 400 Point Count (0.025% sensitivity) 24 hrs | \$145/test |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| CARB 435 NOA PLM 400 Point Count (0.025% sensitivity) 2 days | \$125/test |
| CARB 435 NOA PLM 400 Point Count (0.025% sensitivity) 3 days | \$110/test |
| CARB 435 NOA PLM 400 Point Count (0.025% sensitivity) 5 days | \$100/test |
| CARB 435 NOA PLM 400 Point Count (0.025% sensitivity) 10 days | \$90/test |
| CARB 435 NOA PLM 800 Point Count (0.13% sensitivity), 1000 points forbidden by CARB 435 Guidance Document, 24 hrs | \$200/test |
| CARB 435 NOA PLM 800 Point Count (0.13% sensitivity), 1000 points forbidden by CARB 435 Guidance Document, 2 days | \$175/test |
| CARB 435 NOA PLM 800 Point Count (0.13% sensitivity), 1000 points forbidden by CARB 435 Guidance Document, 3 days | \$150/test |
| CARB 435 NOA PLM 800 Point Count (0.13% sensitivity), 1000 points forbidden by CARB 435 Guidance Document, 5 days | \$125/test |
| CARB 435 NOA PLM 800 Point Count (0.13% sensitivity), 1000 points forbidden by CARB 435 Guidance Document, 10 days | \$100/test |
| CARB 435 NOA PLM 1200 Point Count (0.8% sensitivity) 1000 points forbidden by CARB 435 Guidance Document, 24 hours | \$295/test |
| CARB 435 NOA PLM 1200 Point Count (0.8% sensitivity) 1000 points forbidden by CARB 435 Guidance Document, 2 days | \$260/test |
| CARB 435 NOA PLM 1200 Point Count (0.8% sensitivity) 1000 points forbidden by CARB 435 Guidance Document, 3 days | \$230/test |
| CARB 435 NOA PLM 1200 Point Count (0.8% sensitivity) 1000 points forbidden by CARB 435 Guidance Document, 5 days | \$175/test |
| CARB 435 NOA PLM 1200 Point Count (0.8% sensitivity) 1000 points forbidden by CARB 435 Guidance Document, 10 days | \$160/test |
| CARB 435 NOA by TEM EPA Quantitative or Erionite, 3 days | \$500/test |
| CARB 435 NOA by TEM EPA Quantitative or Erionite, 5 days | \$400/test |
| CARB 435 NOA by TEM EPA Quantitative or Erionite, 10 days | \$350/test |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| CARB 435 NOA by TEM EPA Quantitative and Erionite, 3 days | \$800/test |
| CARB 435 NOA by TEM EPA Quantitative and Erionite, 5 days | \$700/test |
| CARB 435 NOA by TEM EPA Quantitative and Erionite, 10 days | \$600/test |
| Prep Fee for drying, crushing, pulverizing 24 hrs | \$75/test |
| Prep Fee for drying, crushing, pulverizing 2 days | \$60/test |
| Prep Fee for drying, crushing, pulverizing 3 days | \$60/test |
| Prep Fee for drying, crushing, pulverizing 5 days | \$60/test |
| Prep Fee for drying, crushing, pulverizing 10 days | \$60/test |
| Prep Fee for drying, crushing, pulverizing (NOA & Erionite dual analysis), 24 hrs | \$135/test |
| Prep Fee for drying, crushing, pulverizing (NOA & Erionite dual analysis), 2 days | \$135/test |
| Prep Fee for drying, crushing, pulverizing (NOA & Erionite dual analysis), 3 days | \$100/test |
| Prep Fee for drying, crushing, pulverizing (NOA & Erionite dual analysis), 5 days | \$100/test |
| Prep Fee for drying, crushing, pulverizing (NOA & Erionite dual analysis), 10 days | \$100/test |
| SUBCONSULTANT: Bay Area Backhoes, Inc. | |
| Backhoe (Standard) | \$180/hr |
| Backhoe (Standard w/4' bucket) | \$190/hr |
| Mini-Excavator or Skidsteer | \$180/hr |
| Mini-Excavator w/ Skidsteer combo | \$260/hr |
| Backhoe w/ dump truck | \$275/hr |
| Backhoe w/ auger drill | \$230/hr |
| Backhoe w/ knuckle/swivel | \$210/hr |
| Backhoe w/ compactor plate | \$205/hr |
| Backhoe w/ compactor wheel | \$195/hr |
| Backhoe w/ hoeram/breaker (1000 lbs) | \$270/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|---|
| SUBCONSULTANT: Belshire Environmental Services, Inc. | |
| DISPOSAL OF NON-HAZARDOUS SOIL @ SOIL SAFE OF CALIFORNIA | \$42.00-84.50/ton current disposal pricing |
| End Dump Truck – Non-Hazardous (min 4.0/8.0h for overnight and weekend work) | |
| End Dump Truck – Non-Hazardous*: | \$188.25/hr(PW) |
| End Dump Truck – Hazardous*: | \$202.75/hr(PW) |
| 10-Wheeler Dump Truck – Non-Hazardous*: | \$188.25/hr(PW) |
| 10-Wheeler Dump Truck – Hazardous*: | \$202.75/hr(PW) |
| ROLL-OFF TRUCK (Operated) & BIN RENTAL RATES, (Minimum = 4.0 hours / 8.0 hours for Overnight & Weekend work.) | |
| Roll-off Truck | \$210.00/hr(PW) |
| Roll-off Truck (Overtime): | \$239.00/hr(PW) |
| Roll-off Truck (Double-Time): | \$268.00/hr(PW) |
| Roll-off Bins (18 & 40 Cubic Yard): | \$29.00/day |
| Roll-off Bins (9 Cubic Yard): | \$56.59/day |
| Roll-off Bins (other sizes): | Quoted upon request/day |
| Plastic Bin Liners (3 mil) - Installed: | \$108.75/ea |
| Plastic Bin Liners (6 mil) - Installed: | \$182.50/ea |
| TRANSPORTATION & DISPOSAL – NON-HAZARDOUS | |
| SOIL @ SOIL SAFE (55 gal): | \$290.00/drum (PW) |
| WATER @ WORLD OIL (DeMENNO KERDOON) (55 gal): | \$300.00/drum (PW) |
| INERT CONCRETE/ASPHALT DEBRIS (55-gal): | \$290.00/drum (PW) |
| DRILLING MUD @ CROSBY & OVERTON or US ECOLOGY: | \$580.00/drum (PW) |
| SOIL/SOLIDS (PPE, TRASH, DEBRIS, etc.) @ U.S. ECOLOGY: | \$465.00/drum (PW) |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|--------------------|
| TRANSPORTATION & DISPOSAL – NON-RCRA (CALIF) HAZARDOUS | |
| GAS/WATER MIXTURE @ WORLD OIL (DeMENNO KERDOON) (55-gal): | \$465.00/drum (PW) |
| LIQUIDS @ WORLD OIL (DeMENNO KERDOON) (55-gal): | \$465.00/drum (PW) |
| SOIL/SOLIDS (PPE, TRASH, DEBRIS, etc.) @ U.S. ECOLOGY (55-gal): | \$510.00/drum (PW) |
| TRANSPORTATION & DISPOSAL-RCRA HAZARDOUS | \$500.00/drum (PW) |
| SOIL/SOLIDS @ U.S. ECOLOGY - DIRECT LANDFILL (55-gal): | \$725.00/drum (PW) |
| SOIL/SOLIDS @ U.S. ECOLOGY - STABILIZATION of METALS (55-gal): | \$750.00/drum (PW) |
| SOIL/SOLIDS @ U.S. ECOLOGY – MICRO or MACROENCAPSULATION (55-gal): | \$660.00/drum (PW) |
| SOIL/SOLIDS @ U.S. ECOLOGY or CLEAN HARBORS – INCIN (55-gal): | case by case |
| GAS/WATER MIXTURE @ WORLD OIL (DeMENNO KERDOON) (55-gal): | \$465.00/drum (PW) |
| LIQUIDS @ WORLD OIL (DeMENNO KERDOON) (55-gal): | \$620.00/drum (PW) |
| LIQUIDS/MUDS @ U.S. ECOLOGY - SOLIDIFICATION (55-gal): | \$870.00/drum (PW) |
| ASSOCIATED ITEMS | |
| APPOINTMENT FEE (if 1-Hr. Appointment Window is requested): | \$145.00/event |
| DELIVERY OF EMPTY DRUMS (MILKRUN): | \$435.00/trip (PW) |
| EMPTY “USED” STEEL DRUMS (55-gal): | \$37.00/drum (PW) |
| SALVAGE/OVERPACK DISPOSAL SURCHARGE (95-gal): | \$145.00/drum # |
| E-MANIFEST FEE: | \$58.00/Manifest # |
| SCRAPPING OF EMPTY STEEL DRUMS (55-gal): | \$37.00/drum |
| ABSORBENT / SOLIDISORB (33 lb. Bag): | \$51.00/bag |
| Onsite time (Transfer of waste) | \$210.00/hr(PW) |
| HAND PUMP (for LIQUID WASTE TRANSFER): | \$51.00/ea |
| Rivet buster (cutting open drums in yard) | \$145.00/day |
| FedEx MANIFESTS (STANDARD GROUND): | \$53.00/pkg |
| FedEx MANIFESTS (STANDARD OVERNIGHT): | \$60.00/pkg |
| Layover fee | \$510.00/ea |
| Drum Truck with Lift Gate | \$210.00/hr(PW) |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|---------------------|
| Drum Truck with Lift Gate (OT): | \$239.00/hr(PW) |
| Drum Truck with Lift Gate (DT): | \$268.00/hr |
| RECON - 30-Gal UN/DOT OPEN-TOP (w/ PLAIN LID or BUNG): | \$87.00/drum |
| RECON - 55-Gal UN/DOT OPEN-TOP (w/ PLAIN LID or BUNG): | \$101.50/drum |
| RECON - 55-Gal UN/DOT CLOSED-TOP: | \$101.50/drum |
| NEW - 5-Gal UN/DOT OPEN-TOP PAIL (w/ SCREW TOP): | \$51.00/drum |
| NEW - 95-Gal UN/DOT SALVAGE DRUM - OPEN-TOP: | \$555.00/drum |
| RECON - 30-Gal UN/DOT OPEN-TOP (Not DOT-rated for Liquids): | \$87.00/drum |
| RECON - 30-Gal UN/DOT CLOSED-TOP: | \$108.75/drum |
| RECON - 55-Gal UN/DOT OPEN-TOP: | \$101.50/drum |
| RECON - 55-Gal UN/DOT CLOSED-TOP: | \$58.00/drum |
| USED - 95-Gal STEEL/POLY SALVAGE DRUM (Non-UN/DOT) - OPEN-TOP: | \$380.00/drum |
| RECON – 250/275-Gal TOTE: | \$315.00/tote |
| UN/DOT CUBIC-YARD BOX (EMPTY) w/ WOODEN PALLET: | \$175.00/ea |
| ASSOCIATED ITEMS | |
| BUNG CAP: | \$21.75/ea |
| LEVEROCK (for 55-Gal Steel Drum): | \$29.75/ea |
| Unit Rates | |
| Pickup Truck/Crew Truck/Stakebed Truck: | \$87.00/hr |
| Pressure Washer (Hot/Cold Water): | \$465.00/day |
| Double Diaphragm Pump (1" 45 GPM Stainless Steel): | \$200.00/day |
| Trash Pump (2" 166 GPM Semi-Trash Pump): | \$180.00/day |
| Drum-it w/ 322CFM 15" Hg Mini-Vac Unit & Pressure Washer: | \$700.00/day |
| Drum-it (no Mini Vac Unit/Pressure Washer): | \$200.00/day |
| Air Compressor Unit/Trailer (185 CFM/100 PSI): | \$500.00/day |
| Generator: | \$250.00/day |
| Forklift / Loading Equipment: | Quoted upon request |
| Tyvek Suit (Coated): | \$95.00/ea |
| Tyvek Suit (Non-Coated): | \$30.00/ea |
| Coliwasa Sampling Tube: | \$29.00/ea |
| Disposal Fee: | \$1.11/gal |
| Disposal Solids Surcharge: | \$5.35/gal |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| Truck Washout Fee | \$600.00/washout |
| Vacuum Truck 70 BBL Mild Steel: ST | \$195.00/hr |
| Vacuum Truck 70 BBL Mild Steel: OT | \$241.75/hr |
| Vacuum Truck 70 BBL Mild Steel: DT | \$287.75/hr |
| Vacuum Truck 100 BBL Mild Steel:ST | \$210.00/hr |
| Vacuum Truck 100 BBL Mild Steel:OT | \$261.75/hr |
| Vacuum Truck 100 BBL Mild Steel: DT | \$310.75/hr |
| Surge Block: | \$52.25/day |
| Labor Rates | |
| PVC Stingers / Schedule 40 – 1” Standard (10-ft section): | \$57.25/ea |
| PVC Stingers / Schedule 40 – ½” or ¾” Special In-Line (10-ft section): | Upon request |
| PVC Stingers / Schedule 40 – 1” Special In-Line (10-ft section): | Upon request |
| PVC Stingers / Schedule 40 – 1 ½” Special In-Line (10-ft section): | Upon request |
| PVC Stingers / Schedule 40 – 2” Special In-Line (10-ft section): | Upon request |
| Fuel Surcharges: | |
| Transportation Equipment, Roll-Off Truck (Double-Time) | \$123.28/hr |
| Transportation Equipment, Drums (Min 4 drums) | \$13.75/drum |
| INERT CONCRETE/ASPHALT DEBRIS (55-gal): | \$102.55/hr |
| SUBCONSULTANT: California Laboratory Services | |
| I. ORGANIC ANALYSIS MATRIX METHOD | |
| GC-GC/MS VOLATILES: | |
| 1,2,3 TCP Water SRL 524-TCP | \$90/unit |
| EDB and/or DBCP Water/Soil EPA 504/624/8260B | \$90/unit |
| GC/MS Semi-volatile Organics Water/Soil/Other EPA 625/8270 | \$288/unit |
| GC/MS Volatile Organics Water/Soil/Other EPA 524/624/8260B | \$133/unit |
| Trihalomethanes Water EPA 524/624 | \$109/unit |
| TPH-G + VOC Water/Soil/Other EPA 8015M/8260B | \$164/unit |
| Terracore Sampling Lits Soil EPA 5035 Market rate | <i>Market Rate/unit</i> |
| TIC's Water/Soil CLS Labs | \$75/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| PETROLEUM FUELS | |
| 5 Oxygenates (DIPE,ETBE,MTBE,TAME,TBA) Water/Soil EPA 8260B | \$61/unit |
| 7 Oxygenates (DIPE,ETBE,MTBE,TAME,TBA, EtOH,MeOH) Water/Soil EPA 8015/8260B | \$152/unit |
| n-Hexane Extractable Material (Oil & Grease) Water/Soil EPA 1664A | \$77/unit |
| n-Hexane Extractable Material, w/SGT (TRPH) Water/Soil EPA 1664A w/SGT | \$80/unit |
| TPH (Gasoline and BTEX) Water/Soil EPA 8015M/8260B | \$55/unit |
| BTEX Only Water/Soil EPA 8015/8260B | \$50/unit |
| PETROLEUM FUELS | |
| TPH (Gasoline and BTEX/MTBE) Water/Soil EPA 8015M/8260B | \$61/unit |
| TPH (Gasoline and BTEX/5 OXY/EDB/1,2-DCA) Water/Soil EPA 8015M/8260B | \$90/unit |
| TPH (Gasoline) Water/Soil EPA 8015M/8260B | \$42/unit |
| TPH Extractables (Diesel/Oil) Water/Soil EPA 8015M | \$67/unit |
| GC/HPLC SEMI-VOLATILES | |
| Acrolein & Acrylonitrile Water/Soil EPA 8260 | \$133/unit |
| Formaldehyde Water EPA 8315 | \$238/unit |
| Formaldehyde Soil EPA 8315 | \$425/unit |
| Phenols Water/Soil EPA 625/8270 | \$212/unit |
| Phthalate Esters Water/Soil EPA 625/8270 | \$212/unit |
| Polynuclear Aromatic Hydrocarbons Water/Soil EPA 610/8270/8310 | \$212/unit |
| PCBs | |
| Polychlorinated Biphenyls (PCBs) Water EPA 608/8082 | \$72/unit |
| Polychlorinated Biphenyls (PCBs) Oil/Soil/Wipe EPA 8082 | \$68/unit |
| PESTICIDES/HERBICIDES: | |
| Prowel Water/Soil EPA 8081A | \$243/unit |
| Chlorophenoxyacid Herbicides Water/Soil EPA 615/8151A | \$238/unit |
| Organochlorine Pesticides Water/Soil EPA 608/8081A | \$104/unit |
| Organophosphorus Pesticides Water/Soil EPA 614/8141 | \$212/unit |
| Pesticides and PCBs Water/Soil EPA 608 | \$145/unit |
| Triazine Pesticides Water EPA 507 | \$152/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| PROP. 65 - CONSUMER PRODUCT SUPPORT: | |
| Phthalates Object EPA 8270 | \$238/unit |
| Metals Object EPA 6010/6020 | \$20/unit |
| Sample Surface Area Calculation (Minimum 1 Hour) Object CLS Labs | \$100/unit |
| II. METALS ANALYSIS MATRIX METHOD | |
| GROUP ANALYSIS | |
| Drinking Water Metals Water EPA 200 Series (Ag,Al,As,B,Ba,Be,Cd,Cr,Cu,Fe,Hg,Mn,Ni,Pb,Sb,Se,Tl,V,Zn) | \$190/unit |
| CAM Metals (17) Water/Other EPA 6010/6020/7000 (As,Hg,Sb,Ba,Be,Cd,Cr,Co,Cu,Pb,Mo,Ni,Se,Ag,Tl,V,Zn) | \$175/unit |
| LUFT/PET Metals (5) Water/Other EPA 6010/6020 (Cd,Cr,Ni,Pb,Zn) | \$90/unit |
| Priority Pollutant Metals (13) Water/Other EPA 6010/6020/7000 (Ag,As,Sb,Be,Cd,Cr,Cu,Pb,Hg,Ni,Se,Tl,Zn) | \$150/unit |
| RCRA/TCLP Metals (8) Water/Other EPA 6010/6020/7000 (Ag,As,Ba,Cd,Cr,Hg,Pb,Se) | \$140/unit |
| INDIVIDUAL ANALYSIS (PER METAL) | |
| Cr+6, With Preservation Water EPA 218.6 | \$54/unit |
| Cr+6 Water EPA 218.6 | \$80/unit |
| Description of Service, Product or Expense | Hourly/Unit Rate |
| Cr+6 Soil/Other EPA 7199 | \$80/unit |
| Cr+6 Water EPA 7199 | \$80/unit |
| Cr+3 Water EPA 200 / CALC. | \$100/unit |
| Ferric Iron Water EPA 200 / CALC. | \$190/unit |
| Ferrous Iron Water SM 3500-Fe-D | \$48/unit |
| Mercury, Cold Vapor Water/Other EPA 245.1/7470/7471 | \$42/unit |
| Metals ICP Water/Other EPA 200.7/6010 | \$19/unit |
| Metals ICP/MS Water/Other EPA 200.8/6020 | \$19/unit |
| III. INORGANIC ANALYSIS MATRIX METHOD | |
| General Minerals: Water EPA/STDM (Alkalinity, Calcium, Chloride, Fluoride, Hardness, Potassium, MBAS, Solids, & pH) | \$190/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| General Physical: Water EPA/STDM (Color, Odor, & Turbidity) | \$47/unit |
| Acid Generation Potential Water EPA/STDM | \$160/unit |
| Acidity Water EPA 305.1 | \$61/unit |
| Alkalinity Water SM 2320B | \$32/unit |
| Ammonia Water/Other SM4500NH3 F 1997 | \$48/unit |
| BOD Water/Other SM5210B | \$48/unit |
| Bromide Water/Other EPA 300.0 | \$28/unit |
| Chlorate Water EPA 300.0 | \$28/unit |
| Chloride Water/Other EPA 300.0 | \$21/unit |
| Chlorine Water SM4500 CL G | \$17/unit |
| COD Water/Other EPA 410.4 | \$48/unit |
| Color Water SM2120B | \$17/unit |
| Conductivity Water EPA 120.1 | \$15/unit |
| Conductivity Soil EPA 120.1 | \$22/unit |
| Cyanide Water/Other SM4500-CN E/9014 | \$56/unit |
| Cyanide Ammenable Water/Other SM4500-CN E | \$56/unit |
| Dissolved Oxygen Water SM4500O-G | \$20/unit |
| Dissolved Fixed Solids Water/Other EPA 160.4 | \$30/unit |
| Flash Point (Ignitability) Water/Other EPA 1010 | \$90/unit |
| Fluoride Water/Other EPA 300.0 | \$21/unit |
| Hardness Water SM2340B | \$38/unit |
| Iodide Water/Other EPA 300.0 | \$30/unit |
| Langlier Index (W/ General Mineral Analysis) Water/Other STDM 203 | \$54/unit |
| Langlier Index (W/O General Mineral Analysis) Water/Other STDM 203 | \$125/unit |
| MATRIX METHOD | |
| MBAS Surfactant Water/Other SM5540C | \$33/unit |
| Neutralization Potential Soil EPA 670 | \$150/unit |
| Nitrate Water/Other EPA 300.0 | \$21/unit |
| Nitrate Water/Other SM4500-NO3E | \$35/unit |
| Nitrate/Nitrite as N Water EPA 300.0 | \$23/unit |
| Nitrate/Nitrite as N Water SM4500-NO3E | \$35/unit |
| Nitrite Water/Other EPA 300.0 | \$21/unit |
| Nitrite Water/Other SM4500-NO2B | \$35/unit |
| Odor Water EPA 140.1 | \$17/unit |
| Ortho-phosphate Water EPA 300 | \$21/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|----------------------------|
| Ortho-phosphate Water SM4500-P | \$52/unit |
| Paint Filter Liquids Test Water/Other EPA 9095 | <i>Call for quote/unit</i> |
| Percent Moisture/Solid Soil/Sludge SM2540B | \$29/unit |
| pH Water SM4500H B | \$17/unit |
| pH Soil/Other EPA 9040B/9045C | \$25/unit |
| Phenols Water/Soil EPA 420.1 | \$74/unit |
| Phosphorus, Total Water/Other SM 4500-P | \$48/unit |
| Reactivity Water/Other SW 846 | \$125/unit |
| Reactivity/Corrosivity/Ignitability Water/Other EPA Methods | \$215/unit |
| Redox Potential Water/Soil SM2580 | \$46/unit |
| Salinity Water SM210B | \$61/unit |
| Specific Gravity Water/Other SM 2710F | \$61/unit |
| Sulfate Water/Other EPA 300.0 | \$21/unit |
| Sulfide Water/Other SM4500S-F | \$48/unit |
| Sulfite Water/Other SM4500SO3-B | \$48/unit |
| SUVA Water/Other SM5910B/SM5310B | \$55/unit |
| Tanins & Lignins Water SM5550B | \$60/unit |
| Total Dissolved Solids Water/Other SM 2540C | \$31/unit |
| Total Kjeldahl Nitrogen Water/Other SM4500NH3 F 1997 | \$56/unit |
| Total Organic Carbon Water SM5310B | \$48/unit |
| Total Settleable Solids Water SM2540F | \$31/unit |
| Total Solids Water/Other SM2540B or G | \$31/unit |
| Total Suspended Solids Water/Other SM2540D | \$37/unit |
| Total Volatile Suspended Solids Water EPA 160.4 | \$46/unit |
| Total Volatile Solids Water EPA 160.4 | \$37/unit |
| Turbidity Water SM2130B | \$17/unit |
| UV254 Water SM5910B | \$56/unit |
| IV MICROBIOLOGICAL MATRIX METHOD | |
| Coliform (Presence/Absence) - RUSH - 3 Days or Less Water/Other STDM 9223 | \$40/unit |
| Heterotrophic Plate Count - RUSH - 3 Days or Less Water/Other STDM 9215 | \$47/unit |
| Coliform (Quantitray)- RUSH 3 Days or Less Water/Other STDM 9221 | \$44/unit |
| Coliform (Presence / Absence) Water/Other STDM 9223 | \$34/unit |
| Coliform (Colilert 18 hour) Water/Other STDM 9223 | \$37/unit |
| Coliform (10-tube) Water STDM 9221 | \$40/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| Coliform (Quantitray) Water/Other STDM 9221 | \$40/unit |
| Coliform, Total & Fecal (15-tube) Water/Other STDM 9221 | \$48/unit |
| Coliform, Total, Fecal & E. Coli (15-tube) Water/Other STDM 9221 | \$48/unit |
| Coliform Total, Fecal & E. Coli (25-tube) Water/Other STDM 9221 | \$60/unit |
| Coliform Total, Fecal & E. Coli (35-tube) Water/Other STDM 9221 | \$72/unit |
| Heterotrophic Plate Count Water/Other STDM 9215 | \$40/unit |
| Fecal Streptococci Water/Other STDM 9230 | \$68/unit |
| VI. RCRA/CALIFORNIA HAZARDOUS WASTE ANALYSIS, METHOD | |
| EXTRACTIONS & SAMPLE PREP | |
| Archive (Extension beyond 60 Days - Not to exceed 90 Days) CLS Labs | \$5/unit |
| Filtration (0.45 Micron) CLS Labs | \$7/unit |
| Composite (per Sub Sample) CLS Labs | \$4/unit |
| STLC California WET: Citrate Buffer or D.I. Water Title 22 | \$78/unit |
| TCLP Semi-volatile Organics/Pesticides/Metals Extraction EPA 1311 | \$78/unit |
| TCLP Volatiles Extraction (ZHE) EPA 1311 | \$194/unit |
| ANALYSIS: TCLP Full Package (Extraction and Analysis) EPA Methods | \$1,260/unit |
| TCLP Herbicides (Includes Extraction - EPA 1311) EPA Methods | \$326/unit |
| TCLP Metals Analysis (Includes Extraction - EPA 1311) EPA Methods | \$242/unit |
| TCLP Pesticides (Includes Extraction - EPA 1311) EPA Methods | \$231/unit |
| TCLP Semi-volatiles & Pesticides Analysis (Includes Extraction - EPA 1311) EPA Methods | \$483/unit |
| TCLP Volatile Organics Analysis (Includes Extraction - EPA 1311) EPA Methods | \$331/unit |
| ADDITIONAL FEES: | |
| Sample Disposal (after 60 Days) | \$3/unit |
| Sample Preservation (upon receipt at the lab) | \$3/unit |
| Sample Time | \$79/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|-----------------------------|
| Stormwater Kit | \$30/unit |
| Cooler Return (If Requested) | <i>UPS Ground Rate/unit</i> |
| Write On - CA State Drinking Water Requirements | \$16/proj |
| Geotracker | \$27/proj |
| TURNAROUND REQUIRED SURCHARGE | |
| Same Day | 150% |
| 1 Working Day | 100% |
| 2 Working Days | 60% |
| 3 Working Days | 30% |
| 4 Working Days | 15% |
| SUBCONSULTANT: CERCO ANALYTICAL | |
| No. 8 Sieve - Soil Preparation | \$40/sample |
| Composite Fee | \$20/sample |
| Disposal Fee for Every Sample Received | \$10/sample |
| Extrusion Fee for samples received in a tube | \$30/sample |
| Regulated Foreign Soil Safeguards | \$35/sample |
| CERCO reserves the right to return to client any sample | \$25/sample |
| Sample preparation | \$25/sample |
| Regulated Foreign Soil Safeguards | \$35/unit |
| Chloride, EPA 300.0 (ASTM D4327, CT 422) | \$50/unit |
| Conductivity (ASTM D1125M) | \$40/unit |
| Moisture (ASTM D2216, CT 226) | \$40/unit |
| pH, EPA 150.1 (ASTM D4972, ST643) | \$35/unit |
| pH (ASTM G51) | \$60/unit |
| Redox Potential (ASTM D1498) | \$55/unit |
| Resistivity, Minimum CT 643 | \$170/unit |
| Resistivity, 100% Saturation (ASTM G57) | \$85/unit |
| Resistivity, as received (ASTM G57) | \$80/unit |
| Sulfate, EPA 300.0 (ASTM D4327, CT 417) | \$50/unit |
| Sulfide (ASTM D4658M) | \$50/unit |
| SUBCONSULTANT: CITY RISE TRAFFIC | |
| 2 Techs 1 truck 4hr shift, weekday | \$1,197/shift |
| 2 Techs 1 truck 4hr shift, Saturday | \$1,664/shift |
| 2 Techs 1 truck 4hr shift, Sunday | \$2,216/shirf |
| 2 Techs 1 truck 8hr shift, weekday | \$1,997/shift |
| 2 Techs 1 truck 8hr shift, Saturday | \$2,775/shift |
| 2 Techs 1 truck 8hr shift, Sunday | \$3,693/shift |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| 2 Techs 1 truck 10hr shift, weekday | \$2,646/shift |
| 2 Techs 1 truck 10hr shift, Saturday | \$3,424/shift |
| 2 Techs 1 truck 10hr shift, Sunday | \$4,558/shift |
| 1 Tech NO truck 4hr shift, weekday | \$570/shift |
| 1 Tech NO truck 4hr shift, Saturday | \$795/shift |
| 1 Tech NO truck 4hr shift, Sunday | \$1,055/shift |
| 1 Tech NO truck 8hr shift, weekday | \$951/shift |
| 1 Tech NO truck 8hr shift, Saturday | \$1,322/shift |
| 1 Tech NO truck 8hr shift, Sunday | \$1,759/shift |
| 1 Tech NO truck 10hr shift, weekday | \$1,260/shift |
| 1 Tech NO truck 10hr shift, Saturday | \$1,631/shift |
| 1 Tech NO truck 10hr shift, Sunday | \$2,171/shift |
| 1 Tech 1 truck 4hr shift, weekday | \$840/shift |
| 1 Tech 1 truck 4hr shift, Saturday | \$1,166/shift |
| 1 Tech 1 truck 4hr shift, Sunday | \$1,549/shift |
| 1 Tech 1 truck 8hr shift, weekday | \$1,398/shift |
| 1 Tech 1 truck 8hr shift, Saturday | \$1,943/shift |
| 1 Tech 1 truck 8hr shift, Sunday | \$2,585/shift |
| 1 Tech 1 truck 10hr shift, weekday | \$1,722/shift |
| 1 Tech 1 truck 10hr shift, Saturday | \$2,267/shift |
| 1 Tech 1 truck 10hr shift, Sunday | \$3,018/shift |
| 1 Tech 1 TMA truck 4hr shift, weekday | \$1,008/shift |
| 1 Tech 1 TMA truck 4hr shift, Saturday | \$1,399/shift |
| 1 Tech 1 TMA truck 4hr shift, Sunday | \$1,859/shift |
| 1 Tech 1 TMA truck 8hr shift, weekday | \$1,667/shift |
| 1 Tech 1 TMA truck 8hr shift, Saturday | \$2,331/shift |
| 1 Tech 1 TMA truck 8hr shift, Sunday | \$3,102/shift |
| 1 Tech 1 TMA truck 10hr shift, weekday | \$2,002/shift |
| 1 Tech 1 TMA truck 10hr shift, Saturday | \$2,655/shift |
| 1 Tech 1 TMA truck 10hr shift, Sunday | \$3,535/shift |
| SUBCONSULTANT: CMC Traffic Control Specialists, LLC | |
| Lane Closure Daily Rate on Conventional Road (per Caltrans drawing T11) / One Man Crew | \$1,050/day |
| Lane Closure Daily Rate for Multi-lane Road (per Caltrans drawing T10) / Two Man Crew) | \$1,850/day |
| Lane Closure with Reversible Lane (per Caltrans drawing T13) | \$1,850/day |
| Laborer Support Work (Hourly rate) ST | \$95/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Laborer Support Work (Hourly rate) OT | \$125/hr |
| Laborer Support Work (Hourly rate) DT | \$150/hr |
| Laborer Foreman (Hourly rate) ST | \$120/hr |
| Laborer Foreman (Hourly rate) OT | \$150/hr |
| Laborer Foreman (Hourly rate) DT | \$175/hr |
| Traffic Control Drawings | \$450/ea |
| Equipment* | |
| CMS board | \$225/day |
| CMS board | \$700/wk |
| CMS board | \$1,400/28 days |
| Arrow Board | \$95/day |
| Arrow Board | \$285/wk |
| Arrow Board | \$750/28 days |
| Radar Speed Trailer | \$200/day |
| Radar Speed Trailer | \$585/wk |
| Radar Speed Trailer | \$1,200/28 days |
| Roll-up sign with sign stand | \$10/day |
| Roll-up sign with sign stand | \$50/wk |
| Roll-up sign with sign stand | \$150/28 days |
| Type I barricade | \$3/day |
| Type I barricade | \$12/wk |
| Type I barricade | \$36/28 days |
| Type III barricade | \$6/day |
| Type III barricade | \$24/wk |
| Type III barricade | \$72/28 days |
| Traffic cone | \$1/day |
| Traffic cone | \$5/wk |
| Traffic cone | \$20/28 days |
| Cone bar | \$2/day |
| Cone bar | \$6/wk |
| Cone bar | \$20/38 days |
| Portable tubular delineator with base | \$2/day |
| Portable tubular delineator with base | \$8/wk |
| Portable tubular delineator with base | \$30/28 days |
| Water-filled plastic barricades (Approx 2' x 6') | \$9/day |
| Water-filled plastic barricades (Approx 2' x 6') | \$36/wk |
| Water-filled plastic barricades (Approx 2' x 6') | \$95/28 days |
| ADA pedestrian barricade (Approx 3" x 6') | \$7/day |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|-------------------------|
| ADA pedestrian barricade (Approx 3" x 6') | \$28/wk |
| ADA pedestrian barricade (Approx 3" x 6') | \$80/28 days |
| Type K concrete barriers (20 LF) | \$15/day |
| Type K concrete barriers (20 LF) | \$45/wk |
| Type K concrete barriers (20 LF) | \$125/28 days |
| SLED inline crash cushion TL3 | \$100/day |
| SLED inline crash cushion TL3 | \$300/wk |
| SLED inline crash cushion TL3 | \$850/28 days |
| SLED inline crash cushion TL2 | \$90/day |
| SLED inline crash cushion TL2 | \$270/wk |
| SLED inline crash cushion TL2 | \$800/28 days |
| SLED inline crash cushion TL1 | \$80/day |
| SLED inline crash cushion TL1 | \$240/wk |
| SLED inline crash cushion TL1 | \$750/28 days |
| Portable flashing beacon | \$20/day |
| Portable flashing beacon | \$60/wk |
| Portable flashing beacon | \$180/28 days |
| Light Tower (dry rate – fuel not included) | \$150/day |
| Light Tower (dry rate – fuel not included) | \$450/wk |
| Light Tower (dry rate – fuel not included) | \$900/28 days |
| Temporary traffic signals (set of 2) | \$1,200/day |
| Temporary traffic signals (set of 2) | \$2,500/wk |
| Temporary traffic signals (set of 2) | \$6,500/28 days |
| Caltrans Rumble Strips (set of 12 – 2 flagger stations) | \$300/day |
| Caltrans Rumble Strips (set of 12 – 2 flagger stations) | \$1,200/wk |
| Caltrans Rumble Strips (set of 12 – 2 flagger stations) | \$3,600/28 days |
| Aluminum signs (Per square foot) | \$1/day |
| Aluminum signs (Per square foot) | \$5/wk |
| Aluminum signs (Per square foot) | \$15/28 days |
| * Delivery, pickup & damage charges apply. 3 day minimum on rentals | |
| SUBCONSULTANT: CONETEC | |
| CPT/DPT Services | |
| Mobilize/demobilize CPT rig | \$300/hr |
| Interim crew travel (to/from hotel) | \$250/shift |
| Shift rate (up to 8 hours on site) | \$4,000/shift |
| Overtime rate (past 8 hours) | \$650/hr |
| HRSC equipment and operator (8 hour shift) | \$2,500/shift |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| eVST equipment and operator (8 hour shift) | \$1,500/shift |
| Dilatometer equipment and operator (8 hour shift) | \$1,500/shift |
| Support truck shift rate | \$250/shift |
| Vs data processing | \$20/interval |
| Borehole abandonment | \$100/sounding |
| Per diem (per person) | \$250/shift |
| Concrete drill out bit wear | \$75/boring |
| Grout plant mobilization | \$500/shift |
| Project specific training (per person) | \$120/hr |
| Mud mat mobilization | \$500/lump |
| 55 gallon drums | \$100/ea |
| Soil Sample Liners | \$10/ea |
| Groundwater Sampling Consumables | \$2/ft |
| Soil vapor probe consumables | \$150ea/ |
| Prevailing wage (per person, portal to portal) | \$90/hr |
| Drilling Services | |
| Mobilize/demobilize drill rig | \$300/hr |
| Interim crew travel (to/from hotel) | \$250/shift |
| Shift rate for drill rig (9 hours on site) | \$3,500/shift |
| Overtime rate (over 9 hours on site) | \$350/hr |
| Support truck shift rate | \$300/shift |
| Borehole abandonment | \$10/ft |
| Shelby tubes | \$35/ea |
| Mod Cal Liners | \$13/ea |
| 2" PVC screen and riser | \$7/ft |
| 55 gallon drums | \$100ea/ |
| Well box and completion | \$150/ea |
| Sand and bentonite crumbles | \$20/bg |
| Plastic Sheeting | \$150/boring |
| Forklift rental | \$500/shift |
| Decontamination equipment | \$250/shift |
| Mud puppy mobilization | \$500/shift |
| eVST equipment and operator | \$1,500/shift |
| Project specific training (per person) | \$120/hr |
| Per diem (per person) | \$250/shift |
| Mud mat mobilization | \$500/lump |
| Prevailing wage (per person, portal to portal) | \$90/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Geophysical services (MASW, SRT, ERT, downhole) | |
| Mobilize/demobilize equipment | \$200/hr |
| Shift rate (8 hours on site) | \$3,000/shift |
| Support truck shift rate | \$250/shift |
| Data processing | \$250/shift |
| Prevailing wage (per person, portal to portal) | \$90/hr |
| SUBCONSULTANT: COOPER TESTING LAB | |
| Atterberg Limits, Wet prep method | \$293/unit |
| Atterberg Limits, Dry prep method | \$204/unit |
| Moisture Content (ASTM D2216) | \$26/unit |
| Moisture & Density ASTM (D7263b) 2.0-2.5" Diameter | \$30/unit |
| Moisture & Density ASTM (D7263b) 3.0" Diameter | \$45/unit |
| Moisture & Density ASTM (D7263b) 4.0" Diameter | \$111/unit |
| Moisture & Density ASTM (D7263b) 6.0" Diameter | \$178/unit |
| Chunk Density (ASTM D7263a) | \$112/unit |
| Particle Size Analysis Bulk Sieve (if gravelly or >5Kg) add | \$86/unit |
| Sieve (ASTM D422) | \$136/unit |
| Sieve (ASTM D422) w hydrometer | \$230/unit |
| Sieve (ASTM D6913) | \$147/unit |
| Sieve (ASTM D7928) w hydrometer | \$242/unit |
| #200 Sieve Wash (ASTM1140) | \$97/unit |
| Specific Gravity (Partical density) ASTM D854) #4 | \$112/unit |
| Specific Gravity (Partical density) ASTM C127) +#4 Sieve | \$198/unit |
| Specific Gravity (Partical density) ASTM C128) -#4 Sieve | \$221/unit |
| Organic Content (ASTM D2974) | \$112/unit |
| Fraction Organic Carbon (FOC) | \$71/unit |
| Porosity Total (ASTM D7263/ API RP40) incl moisture content, dry density & spec gravity | \$138/unit |
| Effective (ASTM D6836m) incl Total Porosity, Moisture Content, Dry Density & Specific Gravity) | \$297/unit |
| Standard Proctor (ASTM D698) 4-inch mold | \$328/unit |
| Standard Proctor (ASTM D698) 6-inch mold | \$392/unit |
| Modified Proctor (ASTM D1557) 4-inch mold | \$328/unit |
| Modified Proctor (ASTM D1557) 6-inch mold | \$392/unit |
| For measured Gs for Rock Correction add | \$198/unit |
| Insufficient quantity add per point | \$89/unit |
| Cal-Impact (Caltrans 216) | \$441/unit |
| Max Index Density (ASTM D4253) 0.1 ft3 mold | \$303/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Max Index Density (ASTM D4253) 0.5 ft3 mold | \$457/unit |
| Minimum Density (ASTM D4254) 0.1 ft3 mold | \$152/unit |
| Minimum Density (ASTM D4254) 0.5 ft3 mold | \$303/unit |
| Unconfined Comp. (ASTM D2166) | \$91/unit |
| Direct Shear per point (CD) (ASTM D3080) | \$262/unit |
| Direct Shear per point (UU) (Modified ASTM) | \$115/unit |
| Direct Shear per point (CU) (Modified ASTM) | \$115/unit |
| Torsional Ring Shear Overconsolidated Peak | \$412/unit |
| Torsional Ring Shear Fully Softened Peak (ASTM D7608) | \$387/unit |
| Torsional Ring Shear Residual (ASTM D6467) | \$387/unit |
| Torsional Ring Shear Residual Additional points | \$360/unit |
| For the Stark method of testing only the -#200, add | \$63/unit |
| Triaxial Compression Unconsolidated-Undrained (ASTM D2850) TX-UU | \$167/unit |
| Triaxial Compression Unconsolidated-Undrained (ASTM D2850) TX-UU, Back press, add | \$113/unit |
| Triaxial Compression Consilidated-Undrained (ASTM D4767)Modified (TX-ICU) | \$303/unit |
| Triaxial Compression Consilidated-Undrained w/pp(ASTM D4767)Modified (TX-ICU-PP) | \$587/unit |
| Triaxial Compression Consilidated-Drained (ASTM D7181) TX-ICD | \$751/unit |
| Triaxial Compression Confining Sress Conditions Isotropic default, anisotropic, add | \$212/unit |
| Triaxial Compression Confining Sress Conditions Isotropic default, K0, add | \$328/unit |
| Large scale Triax, 4.0" diameter Triax point, per point add | \$664/unit |
| Large scale Triax, 6.0" diameter Triax point, per point add | \$1,388/unit |
| Large scale Triax undisturbed 4.0" diameter Triax per point | \$431/unit |
| Large scale Triax undisturbed 6.0" diameter Triax per point | \$719/unit |
| Triaxial Consolidation, large samples, Over 5 days, add | \$83/unit |
| Triax (before and after photos) | \$60/sample |
| Consolidation Tests (ASTM D2435) | \$473/unit |
| Consolidation Tests (ASTM D2435), prelim report add | \$19/unit |
| Consolidation Tests (ASTM D2435), rebound-reload, per load | \$49/unit |
| Consolidation Tests (ASTM D2435), client provided loads add | \$47/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-------------------------|
| Triaxial K0 measured lateral pressure (2-3" diameter) | \$808/unit |
| Expansion Pressure Curve (ASTM D3877m) | \$194/unit |
| Shrink-Swell (ASTM(D3877m) | \$194/unit |
| Shrink-Swell (ASTM(D3877m) w/Expansion Pressure Curve | \$352/unit |
| Shrink-Swell (ASTM(D3877m) w/Expansion Pressure Curve, air dried prior to test add | \$36/unit |
| Expansion Index (ASTM D4829) | \$493/unit |
| ISRM Part-2 | \$405/unit |
| ISRM Part-4* | \$679/unit |
| * more than 10 loads add per load | \$49/unit |
| One dimensional Swell/Collapse of Soils, Part A | \$1,062/unit |
| One dimensional Swell/Collapse of Soils, Part B | \$404/unit |
| One dimensional Swell/Collapse of Soils, Part C | \$457/unit |
| % Collapse (ASTM D5333) 206 | \$206/unit |
| Additional loads, per point | \$49/unit |
| Constant Head Rigid Wall (ASTM D2434) 2-3" diameter samples | \$401/unit |
| Falling Head Rising Tail Water (ASTM D5084) 2-3" diameter samples | \$401/unit |
| 4" Diameter Large Scale Falling Head Permeability (ASTM D5084) Undisturbed Core Samples) | \$832/unit |
| 6" Diameter Large Scale Falling Head Permeability (ASTM D5084) Undisturbed Core Samples) | \$1,120/unit |
| Remodeled 4" diameter | \$1,065/unit |
| Remodeled 6" diameter | \$1,789/unit |
| Large Scale Constant Head Permeability, (ASTM D2434) includes remolding, 6" Diameter cell | \$528/unit |
| Large Scale Constant Head Permeability, (ASTM D2434) includes remolding, bio retention | \$528/unit |
| Large Scale Constant Head Permeability, (ASTM D2434) includes remolding, SFPUC for Bio-retention | \$792/unit |
| Large Scale Constant Head Permeability, (ASTM D2434) includes remolding, 12" diameter cell | \$1,056/unit |
| Air Permeability (ASTM D6539) | |
| Effective (In-Situ Moisture) | \$528/unit |
| Intrinsic (air-dried) | \$580/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Either Test Includes: Moisture Content, Volumetric Air & Water Content, Bulk Density | |
| Large scale undisturbed or core samples, 4" Diameter, add | \$431/unit |
| Large scale undisturbed or core samples, 6" Diameter, add | \$719/unit |
| Large scale remold samples, 4" Diameter, add | \$664/unit |
| Large scale remold samples, 6" Diameter, add | \$1,388/unit |
| Unconfined Strength of Rock w/ Young's Modulus (ASTM D7012-d) | \$277/unit |
| Before and after photos, add | \$60/sample |
| Point Load Strength Index of Rock, Core (ASTM D5731) | \$99/unit |
| Stake Durability (ASTM D3967), Per point | \$244/point |
| Splitting Tensile Strength-Brazilian, Splitting Test (ASTM D3967), Per point | \$138/point |
| Soil-Lime Proportion, (ASTM D6276) | \$352/unit |
| CBR (ASTM D1883) w compaction | \$1,039/unit |
| CBR (ASTM D1883) compaction by client | \$647/unit |
| R-value (Cal 301) | \$314/unit |
| R-value (Cal 301), with batching of gravel add | \$45/unit |
| R-value (Cal 301), Admix (lime, cement etc.) | \$71/unit |
| Sand Equivalent (CT 217) | \$138/unit |
| Durability Index (CT 229), course | \$196/unit |
| Durability Index (CT 229), fine | \$163/unit |
| Class II AB Specification Tests Suite, R-value, sieve analysis, durability index, sand equivalent, Cal Spec Package | \$954/unit |
| % Crushed Particles (CT 205) | \$172/hr |
| Sodium Sulfate Soundness (ASTM C88) | \$196/unit |
| Cleanness Value (CT 227), 1" x #4 (or finer) | \$244/unit |
| Cleanness Value (CT 227), 1.5" x 3/4" | \$520/unit |
| Cleanness Value (CT 227), 2.5" x 1.5" | \$830/unit |
| Cleanness Value (CT 227), Pit run | \$303/unit |
| LA Abrasion, 500 revolutions (ASTM C131/CT 211) | \$303/unit |
| LA Abrasion, 1000 revolutions (ASTM C535) | \$414/unit |
| Clay Lumps & Friable Particles (ASTM C142) | \$147/unit |
| Particle Size Distribution (ASTM D3977c) full gradation curve | \$370/unit |
| Total Suspended Solids, (ASTM D3977b) | \$59/unit |
| Total Dissolved Solids (SM2540C) | \$59/unit |
| Total Solids (SM2540B) | \$59/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|-----------------------|
| Lime/ cement treating, R-value add | \$71/unit |
| Lime/ cement treating, Atterberg limits, add | \$48/unit |
| Lime/ cement treating, Compaction tests | \$105/unit |
| Lime/ cement treating, CBR w/ compaction | \$343/unit |
| Total Solids for Sediments | \$41/unit |
| Pinhole Test (ASTM D4647) | \$534/unit |
| Double Hydrometer, (ASTM D4221 & D422) | \$534/unit |
| Logging of Shelby Tubes | \$111/unit |
| Logging of Shelby Tubes, w/ photo, add | \$60/unit |
| Lead Shot Characterization or Quatification | <i>Call for quote</i> |
| X-Ray of samples, 3 min | \$244/sample |
| Thermal Conductivity (ASTM D5334) as received | \$251/unit |
| Thermal Conductivity (ASTM D5334) as received and air dried | \$502/unit |
| Thermal Conductivity (ASTM D5334), 4 Point from As Received to Oven Dry | \$1,004/unit |
| Thermal Conductivity (ASTM D5334), 6 Point from As Received to Oven Dry | \$1,506/unit |
| Lab tech, junior | \$138/hr |
| Lab tech, senior | \$172/hr |
| Lab tech, principle | \$216/hr |
| Sample pickup (no charge, if > \$2,000) | \$105/hr |
| Witness Testing | \$81/hr |
| Minimum charge | \$102/order |
| Corrosion tests | |
| Resistivity (as received), (Gravelly Samples: Class II AB, Drain Rock etc. add \$35), ASTM G57 | \$86/unit |
| Resistivity (100% saturated), (Gravelly Samples: Class II AB, Drain Rock etc. add \$35), ASTM G57 | \$86/unit |
| Resistivity (minimum), ((Gravelly Samples: Class II AB, Drain Rock, etc. add \$95), CT 643/AASHTO T288 | \$184/unit |
| pH, ASTM G51/CT 643/ AASHTO T289 | \$42/unit |
| Sulfate, ASTM D4327/CT 417 | \$62/unit |
| Redox Potential / ORP, ASTM D4327/CT 417 | \$60/unit |
| Chloride, STM D4327/CT 422m | \$62/unit |
| Sulfide Qualitative by Lead Acetate Paper | \$53/unit |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Soil Corrosivity Packages (add \$50 for insufficient Sample) | |
| Minimum Resistivity, pH, Chloride and Sulfate, Caltrans | \$310/unit |
| Resistivity (100% Sat.), pH, Chloride and Sulfate, A | \$223/unit |
| Resistivity (100% Sat.), pH, Chloride and Sulfate, B | \$223/unit |
| Resistivity (100% Sat.), pH, Chloride and Sulfate, C | \$276/unit |
| Resistivity (100% Sat.), pH, Chloride and Sulfate, D | \$276/unit |
| Resistivity (100% Sat.), pH, Chloride and Sulfate, PG&E Corrosion | \$323/unit |
| SUBCONSULTANT: EXPLORATION GEOSERVICES | |
| PW Drill Rig w/2-man Crew (On Site) | \$532/hr |
| PW - OT 1 – (Hr>8 Day; Nite; Hr<12 Sat | \$200/hr |
| PW - OT2 – (Hr>12 Day; Hr>12 Sat/Nite; All Sun) | \$398/hr |
| PW 3rd Man | \$232/hr |
| PW - OT1 - 3 rd Man | \$100/hr |
| PW - OT2 - 3 rd Man | \$200/hr |
| Drill Rig w/2-man Crew (Travel) | \$300/hr |
| 2-man Crew Only (Yard Prep/Deprep) | \$222/hr |
| Support Truck (Daily Rental) | |
| 2-Ton Flatbed Truck (Daily Rental) | \$133/day |
| 1-Ton Flatbed Truck (Daily Rental) | \$119/day |
| Pickup Truck (Daily Rental) | \$105/day |
| 2-Ton Flatbed Truck (Hourly Rental) | \$57/day |
| 1-Ton Flatbed Truck (Hourly Rental) | \$50/day |
| Pickup Truck (Hourly Rental) | \$18/day |
| Utility Trailer Hourly | \$97/day |
| Clean Soil Disposal – Trailer | \$572/day |
| Clean Soil Disposal – Drum | \$228/ea |
| Clean Soil Disposal – Drum – Drill Mud/Liquid | \$264/ea |
| Auto Hammer | \$115/day |
| Per Diem: Night 2 Men | \$481/night |
| Per Diem: Night 3rd Man add | \$106/night |
| MATERIALS (Major Stock Items) | |
| Portland Cement (47#) | \$40/bag |
| Quickrete Concrete | \$31/bag |
| Waste-Containment Drum (55-Gal) | \$125/ea |
| Visqueen (20'W) | \$3.90/ft |
| Slotted Screen 2" | \$125/10'L |
| Blank Casing 2" | \$97/10'L |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Slip Cap 2" | \$7.25/ea |
| Threaded End Plug 2" | \$44/ea |
| Locking End Plug & Lock 2" | \$53/ea |
| Slotted Screen 4" | \$234/10'L |
| Blank Casing 4" | \$145/10'L |
| Slip Cap 4" | \$30/ea |
| Threaded End Plug 4" | \$67/ea |
| Locking End Plug & Lock 4" | \$80/ea |
| Wellhead Cover: | |
| Well box 7" x 10" | \$267/ea |
| Well Box 8" x 12" | \$334/ea |
| Well Box 12" x 12" | \$476/ea |
| Stovepipe 4"Sqx5'L | \$542/ea |
| Stovepipe 6"Sqx5'L | \$823/ea |
| Filterpack Sand: #3 | \$69/bag |
| Filterpack Sand: 2/12 | \$59/bag |
| Bentonite Pellets: ¼"D Coated (5 Gal) | \$379/pail |
| Holeplug Bentonite Chips | \$52/bag |
| Quik Gel | \$49/bag |
| Quik Grout | \$32/bag |
| Sample Liner & End Caps: 2.0"Dx6"L | \$12/ea |
| 2.5:Dx6"L | \$20/ea |
| 3.0"Dx30"L (Shelby Tube) | \$80/ea |
| SUBCONSULTANT: GPRS | |
| Utility Locate, 4 hrs, M-F, 5am-5pm | \$1,225/shift |
| Utility Locate, 8 hrs, M-F, 5am-5pm | \$2,450/shift |
| Utility Locate, 4 hrs, M-F, 5pm-5am | \$1,840/shift |
| Utility Locate, 8 hrs, M-F, 5pm-5am | \$3,675/shift |
| Utility Locate, 4 hrs, SA, 5am-5pm | \$1,840/shift |
| Utility Locate, 8 hrs, SA, 5am-5pm | \$3,675/shift |
| Utility Locate, 4 hrs, SU, 5am-5pm | \$2,800/shift |
| Utility Locate, 8 hrs, SU, 5am-5pm | \$4,900/shift |
| SUBCONSULTANT: GREGG DRILLING LLC | |
| Mud Rotary Drill Rig (Fraste FS400/GEFCO 40K) - 3 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$585/time |
| Drilling time / Operating rate | \$8,695/day |
| Standby / Move / Setup / Development Time | \$1,085/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Daily Travel Crew (when rig can be left on-site) | \$405/day |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,795/time |
| Mud Rotary Drill Rig (Fraste MDXL/VersaDrill) - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$515/time |
| Drilling time / Operating rate | \$6,030/day |
| Standby / Move / Setup / Development Time | \$755/hr |
| Daily Travel Crew (when rig can be left on-site) | \$315/day |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/time |
| Track-Mounted Mud Rotary Drill Rig (Fraste MDXL) - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$515/day |
| Drilling time / Operating rate | \$6,305/day |
| Standby / Move / Setup / Development Time | \$790/hr |
| Daily Travel Crew (when rig can be left on-site) | \$315/day |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/time |
| Hollow Stem Auger Drill - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$435/day |
| Drilling time / Operating rate | \$4,565/day |
| Standby / Move / Setup / Development Time | \$570/hr |
| Daily Travel Crew (when rig can be left on-site) | \$315/day |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/time |
| 25-Ton CPT Rig - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$515/day |
| Drilling time / Operating rate | \$5,215/day |
| Standby Time / Move Time / Pore Pressure Dissipation Testing | \$650/hr |
| Daily Travel Crew (when rig can be left on-site) | \$315/day |
| Shear Wave Velocity (Vs) Tests | \$31/test |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/time |
| Truck Direct Push Rig - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$330/day |
| Drilling time / Operating rate | \$3,040/day |
| Standby / Move / Setup / Development Time | \$380/hr |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/time |
| LAR Track Auger/ Direct Push Rig - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$365/hr |
| Drilling time / Operating rate | \$3,355/hr |
| Standby / Move / Setup / Development Time | \$415/hr |
| Daily Travel Crew (when rig can be left on-site) | \$315/hr |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/hr |
| Remediation Services - 3 Person Crew | |
| Mobilization/Demobilization/Daily Travel | \$515/hr |
| Injection Platform with 10 point system, (1) Direct Push Rig | \$4,890/hr |
| Injection Platform with 10 point system, well injection, 2 man crew | \$3,915/hr |
| Geoprobe 7822 or Equivalent, 1 crew member | \$2,285/hr |
| Daily Travel Crew (when rig can be left on-site) | \$405/day |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,715/ea |
| Air Vacuum - 2 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$270/hr |
| Operating rate | \$3,050/hr |
| Standby / Move / Setup | \$350/hr |
| Cancellation Fee (within 72-hrs of scheduled start) | \$2,175/ea |
| Development Rig - 1 person crew | |
| Mobilization/De-Mobilization/Daily Travel | \$270/hr |
| Operation rate | \$2,610/day |
| Standby / Move / Setup | \$325/hr |
| Cancellation Fee (within 72-hrs of scheduled start) | \$1,630/day |
| Concrete Coring Truck - 1 person crew (8" to 24" Cores) | |
| Mobilization/De-Mobilization | \$270/hr |
| Operating rate | \$2,610/hr |
| Standby / Move / Setup | \$270/hr |
| Cancellation Fee (within 72-hrs of scheduled start) | \$1,630/day |
| High Resolution Site Characterization | |
| HRSC Pre-Mobilization/Equipment Check | \$815/ea |
| Mobilization/De-Mobilization MiHPT System and Operator | \$136/ea |
| MiHPT System and Operator (up to 8-hrs. on site) | \$2,610/day |
| MiHPT Premium Time (over 8-hrs. on site) | \$410/hr |
| Ultraviolet Optical Screening Tool (UVOST) | \$2,175/day |
| Sapphire Window Replacement | \$270/ea |
| Cancellation Fee (within 72-hrs of scheduled start) | \$1,630/ea |
| SPT Energy Calibration | |
| Mobilization/De-Mobilization SPT Energy Calibration | \$136/hr |
| SPT Energy Calibration | \$3,480/day |
| SPT Energy Calibration Report (per boring) | \$190/ea |
| Dilatometer Testing (DMT) | |
| DMT Pre-Mobilization/Equipment Check | \$815/day |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Dilatometer Testing (up to 8-hrs, not including CPT rig) | \$2,175/ea |
| DMT Blade Replacement | \$6,740/ea |
| DMT Membrane Replacement | \$240/ea |
| DMT Report (per boring) | \$190/ea |
| Pressure Meter Testing (PMT) | |
| PMT Pre-Mobilization/Equipment Check | \$815/ea |
| Mobilization/De-Mobilization PMT | \$136/hr |
| Pressure Meter Testing (PMT) (up to 8-hrs. on site) | \$3,910/day |
| PMT Bladder Replacement | \$665/ea |
| PMT Report (per boring) | \$890/ea |
| Packer Testing Testing | |
| Packer Testing Pre-Mobilization/Equipment Check | \$815/ea |
| Packer Testing Testing Surcharge (packer equipment only) | \$890/day |
| Bladder Replacement | \$3,565/ea |
| *ADDITIONAL LABOR COSTS (Per Man Per Hour) | |
| Additional Technician | \$1,090/day |
| **Prevailing Wage Surcharge | \$81/hr |
| **Davis Bacon Act Surcharge | \$54/hr |
| **Service Contract Act Surcharge | \$27/hr |
| ***Premium Time (over 8-hrs, nights and Saturdays) | \$81/hr |
| Premium Time (Sundays, Holidays and over 8-hrs. on Saturdays) | \$162/hr |
| Crane Rigger/Liaison | \$178/hr |
| Service Run | \$135/hr |
| Per Diem (Crew Member/Night) | \$405/hr |
| Level C Protection (per day or portion) | \$270/day |
| SUPPORT EQUIPMENT | |
| Support Truck (pick-up) | \$270/day |
| Support Truck (stake-bed) | \$432/day |
| Support Truck (Lift Gate) | \$490/day |
| Water Truck (up to 2,000 gal.) | \$920/day |
| Water Truck (up to 4,000 gal.) | \$1,955/day |
| Support Truck (CPT) | \$1,300/day |
| Steam Cleaning at Yard | \$270/day |
| Mud System (mud rotary, less than 1500 gal capacity) | \$705/day |
| Mud System (mud rotary, 1500-3000 gal capacity) | \$1,195/day |
| Track Support Rig (Marooka or similar) | \$1,740/day |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| Submersible pump rental | \$230/day |
| Horiba meter rental | \$135/day |
| Drum trailer rental | \$110/day |
| 500-water gallon trailer rental | \$195/day |
| Personal H2S Meter | \$40/day |
| Ventilation / exhaust system rental | \$500/day |
| Grout Pump | \$375/day |
| MATERIALS (tax not included) | |
| Concrete/Asphalt Coring, CPT/DPT Locations (4-in diameter x 6-in thick) | \$189/ea |
| Backfill CPT/DPT Test/Sampling Locations | \$3/ft |
| Backfill Hollow Stem Auger Borings (6-in. diameter) | \$10/ft |
| Backfill Hollow Stem Auger Borings (8-in. diameter) | \$13/ft |
| Backfill Rotary/Core Holes up 5-in. | \$9/ft |
| Backfill Rotary/Core Holes up 8-in. | \$13/ft |
| 1/4" Nylaflow Tubing | \$2/ft |
| 1/2" Poly Tubing | \$2/ft |
| Vapor Probe Implant - PVC | \$19/ea |
| Vapor Probe Implant - Stainless 1" | \$35/ea |
| Vapor Probe Implant - Stainless 6" | \$76/ea |
| Vapor Probe Valves - 2 way & 3-way | \$13/ea |
| Hydropunch/Groundwater Sampling Consumables | \$103/ft |
| 3/4" Sched. 40 PVC Blank casing | \$5/ft |
| 3/4" Sched. 40 PVC Screen 0.010" or 0.020" | \$8/ft |
| 3/4" Sched. 40 PVC fittings | \$16/ea |
| 1" Sched. 40 PVC Blank casing | \$8/ft |
| 1" Sched. 40 PVC Screen 0.010" or 0.020" | \$11/ft |
| 1" Sched. 40 PVC threaded end cap | \$16/ea |
| 1" Sched. 40 PVC slip cap or coupling | \$16/ea |
| 2" Sched. 40 PVC Blank casing | \$10/ft |
| 2" Sched. 40 PVC Screen 0.010" or 0.020" | \$13/ft |
| 2" Sched. 40 PVC threaded end cap | \$22/ea |
| 2" Sched. 40 PVC slip cap or coupling | \$22/ea |
| 2" Locking Cap | \$43/ea |
| 4" Sched. 40 PVC Blank casing | \$19/ft |
| 4" Sched. 40 PVC Screen 0.010" or 0.020" | \$26/ft |
| 4" Sched. 40 PVC threaded end cap | \$49/ea |
| 4" Sched. 40 PVC slip cap or coupling | \$49/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|------------------|
| 4" Locking Cap | \$70/ea |
| Asphalt Patch | \$27/bag |
| Cement - Portland Type II | \$20/bag |
| Concrete - Quickset | \$32/bag |
| Concrete - Ready Mix | \$16/bag |
| Bentonite Chips | \$32/bag |
| Bentonite Grout (Enviroplug) | \$32/ea |
| Bentonite Pellets | \$108/bkt |
| MATERIALS (tax not included) | |
| Bentonite Pellets (TR30) | \$151/bkt |
| Filter Sand | \$22/bag |
| Drill mud | \$32/bag |
| Easy Mud 5-gal | \$270/bkt |
| Easy Mud Gold 10lb | \$270/bkt |
| Auqa-Clear (5 gal pail) | \$454/bkt |
| Soda Ash 50lb | \$43/bag |
| Well Box - 12-inch | \$189/ea |
| Well Box - 8-inch | \$108/ea |
| Standpipe 8" | \$518/ea |
| Standpipe 10" | \$583/ea |
| Wood Plug | \$43/ea |
| 3'x3' Form / 2'x2' Form | \$43/ea |
| Drums - 55 Gallon | \$105/ea |
| Disposable Bailers | \$27/ea |
| Disposable Tips | \$32/ea |
| 2" Brass Sample Liners & Caps | \$13/ea |
| 2" Stainless Steel Sample Liners & Caps | \$13/ea |
| Acetate Sample Liners (Macro Core 4') | \$13/ea |
| 2.5" x 1" Brass Sample Rings & Canisters, | \$32/ea |
| ShelbyTube & Caps | \$81/ea |
| Pitcher Tubes & Caps | \$81/ea |
| Core Box - Plastic/Cardboard | \$43/ea |
| Core Box - Wooden | \$103/ea |
| Slope Indicator Pipe (2.75") - per 10' length | \$238/ea |
| Slope Indicator Pipe Bottom Cap | \$43/ea |
| Slope Indicator Pipe Top Cap | \$43/ea |
| Straw Waddle (20-ft) | \$54/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|--|
| Visqueen (large roll) | \$194/ea |
| SUBCONSULTANT: JDH CORROSION CONSULTANTS, INC. | |
| In-Situ Resistivity Testing | \$5,000/Negotiate unit of measure if requested |
| Litigation | |
| Depositions & Mediations (4 hour min. charge) | \$400/hr |
| Court Appearance,(4 hour min. charge) | \$550/hr |
| SUBCONSULTANT: Pitcher Services, LLC | |
| Mud Rotary Truck Drill - 2 Person Crew | |
| Drill Time - Mud Rotary (Non PW) | \$4,400/day |
| Drill Time- Mud Rotary w/mud conditioning system | \$5,000/day |
| Standby or Well Development | \$4,400/day |
| Mob/demob | \$550/day |
| Overtime a(2 man crew) | \$660day/ |
| Transportation | \$520/day |
| Mud Rotary Track Drill- 2 person crew | |
| Drill time - Mud Rotary (Non PW) | \$5,200/day |
| Standby Time & Well Development | \$5,200/day |
| Mob/Demob | \$600/day |
| Overtime any hrs over 9 (2 man crew) | \$740/day |
| Transportation (when rig can be left on-site) | \$520/day |
| Overtime Surcharge Rates (2 person crew) | |
| Night Shift (Premium Time Surcharge) | \$160/hr |
| Saturday Shift | \$160/hr |
| Sunday Shift | \$320/hr |
| CPT Rig | |
| Rig Time (Non PW) | \$5,200/day |
| Overtime (2 man crew) | \$740/hr |
| Mob/Demob | \$500/ea |
| Footage Rates | |
| Drilling Additives (Normal Conditions 5" boring) | \$5/ft |
| Portland Cement Grout (5" boring) | \$5/ft |
| HQ3 Coring Surcharge | \$14/ft |
| 101 GeoBarrel Surcharge | \$14/ft |
| PQ Coring Surcharge | \$26/ft |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Other Labor Costs | |
| Additional Technician (extra helper) - ADD: | \$130/hr |
| Premium time after 9 hours,Night or Saturday | \$80/man hr |
| Sunday or Holiday work - ADD: | \$160/man hr |
| Level C Protection (per day or portion) - ADD: | \$160/man day |
| Per Diem | \$300/man |
| Prevailing Wage or Certified Payroll Surcharge | \$300/man |
| Transportation per additional tech | \$250/man |
| CPT Footage Rates | |
| Seismic Surcharge seismic test every 5' | \$28/ea |
| Portland cement grout | \$3/ft |
| Repair Cost | |
| WASTE BARREL REPAIR | \$200/ea |
| Site Meetings, inspects or submittals | |
| Pick up truck rental | \$260/day |
| Managers or Foremans | \$170/hr |
| Equipment | |
| Decon Station | \$450/day |
| Mud system (mud rotary as needed) | \$600/day |
| Support truck (pick-up) | \$300/day |
| Support truck (stake bed) | \$500/day |
| Support truck (Lift Gate) | \$500/day |
| Support Track (Morooka) | \$1,000/day |
| Support truck (water-truck) | \$600/day |
| Materials | |
| Quik-Gel drilling mud 50lb | \$35/bag |
| Soda Ash 50lb | \$30/bag |
| Easy Mud 5-gal | \$300/bkt |
| Easy Mud Gold 10lb | \$300/bkt |
| N-Seal 30lb | \$180/bag |
| Filter Sand | \$15/bag |
| Coated Bentonite Pellets | \$140/bkt |
| Bentonite Chips | \$24/bag |
| Bentonite Powder | \$35/bag |
| Ready Mix Concrete 60lb | \$18/bag |
| Portland Cement Type II 47lb | \$18/bag |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|--|------------------|
| Asphalt Patch | \$48/bag |
| Quickset Concrete | \$22/bag |
| Wood Plug | \$25/ea |
| 7" Traffic Rated Monitoring Well Boxes | \$200/ea |
| 8" Traffic Rated Monitoring Well Boxes | \$250/ea |
| 12" Traffic Rated Monitoring Well Boxes | \$350/ea |
| Anodized Standpipe | \$400/ea |
| Plastic Liners in 2.5' sections | \$15/ft |
| Cardboard core Boxes | \$35/bx |
| Wooden Core Boxes | \$85/bx |
| PVC core trays | \$5/tray |
| DOT 17-H 55 Gal. Drums | \$85/ea |
| 5-gallon bucket | \$15/ea |
| Brass Sleeves & Caps (6" long) | \$10/ea |
| Stainless Steel Sleeves & Caps (6" long) | \$10/ea |
| Acetate Liners for Macro Core | \$15/ea |
| Visqueen (large roll) | \$220/roll |
| Disposable Tips | \$30/ea |
| 1/4" or 1/2" Tubing | \$0.75/ft |
| 3" soil seals | \$25/ea |
| 3" Pitcher or Shelby Tube 36" long | \$65/ea |
| Teflon Squares (pack of 100) | \$100/pck |
| 2" PVC Screen 0.010" or 0.020" | \$10/ft |
| 2" PVC Blank casing | \$7.50/ft |
| 2" PVC threaded end cap | \$14/ea |
| 2" PVC slip cap or coupling | \$7/ea |
| 2" Locking Cap | \$35/ea |
| 4" PVC Screen 0.010" or 0.020" | \$24/ft |
| 4" PVC Blank casing | \$18/ft |
| 4" PVC threaded end cap | \$28/ea |
| 4" PVC slip cap or coupling | \$18/ea |
| 4" Locking Cap | \$50/ea |
| 3/4" PVC Screen 0.010" or 0.020" | \$8/ft |
| 3/4" PVC Blank casing | \$7/ft |
| 3/4" PVC fittings | \$4/ea |
| Analysis & Profile Fee | \$1,600ea/ |
| Drums (spoils) Transport per truck | \$2,400/ea |

**SCHEDULE OC
ATTACHMENT ONE
FEES AND PAYMENTS**

| Description of Service, Product or Expense | Hourly/Unit Rate |
|---|---------------------------|
| Drums (spoils) Disposal - non-hazardous | \$180/ea |
| Drum (spoils) Disposal - hazardous | \$420/ea |
| SUBCONSULTANT: TABER | |
| Truck-Mounted Drill (2-Man Crew + Typical Support Equipment) | \$400/hr |
| Premium Truck-Mounted Drill (Over 8 Hours Daily) | \$455/hr |
| Track-Mounted Drill (2-Man Crew + Typical Support Equipment) | \$435/hr |
| Premium Track-Mounted Drill (Over 8 Hours Daily) | \$490/hr |
| Additional Drill Helper (Any Drill) | \$120/hr |
| Premium Additional Drill Helper (Any Drill) | \$135/hr |
| Standby or Daily Travel 2-Man Drill Crew and Equipment (Any Drill) | \$345/hr |
| Standby or Daily Travel 3-Man Drill Crew and Equipment (Any Drill) | \$425/hr |
| Operational Supervisor (Site Review, Consultation, etc.) | \$185/hr |
| CPT Testing, Electronic 20-Ton (Includes Data Report) | \$435/hr |
| Premium CPT Testing (Over 8 Hours Daily) | \$485/hr |
| CPT Seismic Testing (Supplemental, Data Processing Per Sounding) | \$72/ea |
| Over-Water Exploration (Float, Drill, 3-Man Crew + Support Equipment) | \$925/hr |
| PQ Triple Tube Diamond Bit Charge (Supplemental to Hourly Drill Rates) | \$25/ft |
| HQ, NQ Triple Tube Diamond Bit Charge (Supplemental Rate) | \$23/ft |
| Cuttings Disposal (By 55-Gallon DOT Drum; Non-Hazardous Only) | \$220/bbl |
| Cuttings Disposal (Cuttings in Tank or Bin; Non-Hazardous Only) | \$7/gal |
| Polaris 6X6 All-Terrain Support Vehicle (Billed Only as Used) | \$210/day |
| Special Support Equipment (Grounding Mats, Portable Sanitary Facilities, Minuteman Drill, Water Truck, Forklift, Air Tools, etc.) | <i>Quoted per project</i> |
| Per Diem Expense for Drill or CPT Crew Members (Minimum Rate) | \$240/day |
| SPT Energy Analysis (Site Specific, Includes Report, Not Travel) | \$2,800/lump sum |

**SCHEDULE OC
ATTACHMENT TWO
SCHEDULE OF COMPLETION**

1. This Agreement commences on the Effective Date, subject to accomplishment of all conditions to formation of an agreement listed in the Standard On-Call Agreement, Section Twelve, Miscellaneous Provisions, subsection 2. Formation of Agreement.
2. This Agreement expires five (5) years after the Effective Date, unless, prior to its expiration, its term is modified by a written amendment hereto, and signed by both Parties.
3. Each Task Order will state the schedule for Consultant's performance of that Task Order.
4. Valley Water and Consultant may agree to modify the schedule specified for Consultant's performance in an executed Task Order as an administrative modification to the Task Order and will confirm such modification in writing.

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**SCHEDULE OC
ATTACHMENT THREE
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS**

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

| Team Member | Classification | Project Role | Contact Information (Address, Phone and Email) |
|--------------------|-------------------------------|------------------------------|--|
| Andrea Traum | Senior Program Manager | Principal-in-Charge | 25 Metro Drive, Suite 110 San Jose, CA 95112 408-595-3275 atraum@kleinfelder.com |
| Steven Wiesner | Senior Principal Professional | Independent Technical Review | 2001 Arch-Airport Road, Suite 100 Stockton, CA 95206 209-401-1302 swiesner@kleinfelder.com |
| Mark Fuhriman | Senior Principal Professional | Lead Geotechnical Engineer | 1814 Franklin Street, Suite 504 Oakland, CA 94612 408-591-5027 mfuhriman@kleinfelder.com |
| Byron Anderson | Senior Principal Professional | Lead Geologist | 3130 Kilgore Road, Suite 200 Rancho Cordova, CA 95670 916-240-7624 banderson@kleinfelder.com |
| Curtis Conti | Project Manager I | Field Coordinator | 25 Metro Drive, Suite 110 San Jose, CA 95112 510-303-9700 cconti@kleinfelder.com |
| Aryan Noroozi | Staff Professional II | Geotechnical Engineer | 25 Metro Drive, Suite 110 San Jose, CA 95112 831-755-7900 anoroozi@kleinfelder.com |
| Renie Gee | Principal Professional | Geotechnical Engineer | 1814 Franklin Street, Suite 504 Oakland, CA 94612 510-715-9237 ryuen@kleinfelder.com |

**SCHEDULE OC
ATTACHMENT THREE
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS**

2. The following Subconsultants and Subcontractors are authorized to perform Services pursuant to this Agreement:

| Firm | Project Role | Contact Information (Address, Phone and Email) |
|--|--------------------------------------|---|
| Siegfried Engineering, Inc. | Staff Augmentation | Anita K. Wolfe 84 W Santa Clara Street, #700 San Jose, CA 95113 408-754-2021 akwolfe@siegfrideng.com |
| Exploration Geoservices | Drilling | John Collins 1535 Industrial Avenue San Jose, CA 95112 408-280-6822 john@explorationgeo.com |
| Cooper Testing Laboratory | Laboratory Testing | Philip Jackey 937 Commercial Street Palo Alto, CA 94303 650-213-8436 philip@coopertestinglabs.com |
| Taber Drilling | Drilling and CPT | Bryan Young 536 Galveston Street West Sacramento, CA 95691 916-371-8234 byoung@taberdrilling.com |
| 1 st Call Utility Locating Services | Utility Locating | Sedar Tas 4420 Nevin Road Richmond, CA 94805 48-235-8410 info@1stcallutilitylocating.com |
| AP Engineering and Testing | Soil Corrosivity Testing | Justin Phukunhaphan 2607 Pomona Boulevard Pomona, CA 91768 909-869-6316 justin@aplaboratory.com |
| California Laboratory Services | Soil & Groundwater Chemical Analysis | Scott Fumas 3249 Fitzgerald Road Rancho Cordova, CA 95742 916-638-8730 scottf@californialab.com |

**SCHEDULE OC
ATTACHMENT THREE
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS**

| Firm | Project Role | Contact Information (Address, Phone and Email) |
|---------------------------------|--------------------------|--|
| CMC Traffic Control Specialists | Traffic Control | Crystal Miks 260 Shipley Street San Francisco, CA 94107 415-206-1700 info@cmctrffic.com |
| JDH Corrosion Consultants | Soil Corrosivity Testing | Brendon Hurley 1100 Willow Pass Court Concord, CA 94520 925-927-6630 bhurley@jdhcorrosion.com |
| Cerco Analytical | Soil Corrosivity Testing | Darlene Langford 1100 Willow Pass Court Concord, CA 94520 925-462-2771 darlene@cercoanalytical.com |
| Gregg Drilling | Drilling and CPT | Tim Boyd 2726 Walnut Avenue Signal Hill, CA 90755 562-427-6899 tboyd@greggdrilling.com |
| Pitcher Services | Drilling and CPT | Terry Shewchuk 218 Demeter Street East Palo Alto, CA 94303 650-328-8910 tshewchuk@pitcherservicesllc.com |
| City Rise Safety LLC | Traffic Control | Tiffany Ruiz 44800 Industrial Drive Fremont, CA 94538 510-657-2543 truiz@cityrisesafety.com |
| GPRS | Utility Locating | Johanna Gilman San Jose Office 415-553-0129 californiainfo@gprsinc.com |

**SCHEDULE OC
ATTACHMENT THREE
CONSULTANT'S KEY STAFF AND SUBCONSULTANTS**

| Firm | Project Role | Contact Information (Address, Phone and Email) |
|---------------------------------|---------------------|--|
| Belshire Environmental Services | Waste Disposal | Jacob Han 25971 Towne Centre Dr S Foothill Ranch, CA 92610 949-460-5200 Jacob.han@belshire.com |
| Asbestos TEM Laboratories | Asbestos Testing | Patricia Payne 3431 Ettie Street Oakland, CA 94608 510-704-8930 ppayne@asbestostemplabs.com |
| Bay Area Backhoes | Test Pits | Jesslyn Johnston 6200 Stoneridge Mall Road #3 Pleasanton, CA 94588 888-321-8448 jessj@backhoesinc.com |
| Advanced Geological Services | Geophysics | Robert Mundt 1605 School Street #1 Moraga, CA 94556 925-631-1989 bmundt@advancedgeo.com |
| ConeTec | Drilling and CPT | Clayton Bartholomew 506 De Carlo Avenue Richmond, CA 94801 510-357-3677 conetecCA@conetec.com |

**SCHEDULE OC
ATTACHMENT FOUR
REFERENCE MATERIALS**

| Ref No. | Description |
|----------------|--|
| 1 | Santa Clara Valley Water District Non-Disclosure Agreement (NDA) (FC 1650) |
| 2 | Santa Clara Valley Water District (Valley Water) Standards for GIS Products April 2021 version: http://gis.valleywater.org/Download/GIS_PRODUCT_STANDARDS.pdf |
| 3 | Santa Clara Valley Water District (Valley Water) CADD Standards November 2022 version |
| 4 | Santa Clara Valley Water District (Valley Water) Quality and Environmental Management System (QEMS) |

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