

## CONTRACT

**THIS CONTRACT**, hereinafter referred to as “Contract” for purposes of identification hereby numbered MA-299-24011358, by and between the County of Orange, a political subdivision of the State of California, hereinafter referred to as “County” and Tetra Tech BAS, Inc., a State of California Corporation, hereinafter referred to as “A-E,” or “Contractor” which are sometimes individually referred to as “Party” or collectively referred to as “Parties.”

### RECITALS

**WHEREAS**, County requires professional services to accomplish projects and/or services (“**Projects/Services**”) as described in MA-299-24011358 Scope of Work for Phase VIII-A2 Groundwater Protection Project, hereinafter referred to as “Attachment A,”; and

**WHEREAS**, A-E is a firm whose principals are, as required by law, registered by the State of California for the practice of specialized A-E services per the attached Scope of Work.

**NOW, THEREFORE, IT IS AGREED** by and between the parties hereto as follows:

#### 1. **GENERAL**

##### 1.1. **Retainer**

- 1.1.1. County does hereby retain A-E to perform the Projects/Services as required by this Contract.
- 1.1.2. A-E has offered, and County has accepted, the professional services of Tetra Tech BAS, Inc. and A-E shall assign him/her to the Projects/Services.
- 1.1.3. A-E may employ special consultants/contractors for the accomplishment of the Projects/Services specified; and only the firms or independent consultants/contractors identified in Attachment C may be employed by A-E to provide these Projects/Services.
- 1.1.4. Consultants/contractors may be substituted and/or added by mutual agreement of A-E and the Director of OC Waste & Recycling or authorized designee, hereinafter referred to as “Director”.
- 1.1.5. A-E's employment of independent consultants/contractors shall not relieve A-E from the performance of its own responsibilities pursuant to this Contract. However, all consultants/contractors independently contracting with County shall be independently liable to County for the performance of the work pursuant to their agreements, and A-E shall have no liability for work by contractors independently contracting with County.

##### 1.2. **Projects/Services**

###### 1.2.1. Description of Projects/Services

- a. Project/Services to be performed by A-E shall consist of the work as specified herein and as required in Attachment A, attached hereto and incorporated herein by reference. If in the event Attachment A shall be in conflict with any provision of this Contract, the wording as set forth in Attachment A shall prevail.

- b. A-E shall be responsible for submitting all Projects/Services to County in a form which has been thoroughly reviewed and checked for completeness, accuracy and consistency by the registered professional named in Section 1.1.2 herein; and, any Projects/Services not meeting this requirement will be returned to A-E prior to review by County.

### **1.2.2. Design Criteria and Standards**

All Projects/Services shall be performed in accordance with instructions, criteria and standards set forth by the Director or authorized designee.

### **1.2.3. Scheduling**

- a. Concurrently with the work of the Contract, A-E shall prepare a progress work schedule and within five (5) working days from the date of receipt of individual assignments from County, A-E shall submit to County two (2) copies of a progress work schedule which shall delineate dates of commencement and completion of the various phases of Projects/Services assignments. A-E schedule shall include required County review period(s) set forth herein. An approved copy of the progress schedule will be returned to A-E.
- b. A-E shall allow at least five (5) working days for County to review the progress work schedule. In planning work, A-E should anticipate and allow ten (10) working days for County review of each submittal required in Attachment A.
- c. A-E shall meet on an as-needed basis as determined by County or at least once every four (4) weeks with County to review progress of work, adherence to progress schedule, coordination of work, scheduling of seminars, if needed, and to resolve any problems that may develop.
- d. Within five (5) working days of each meeting, A-E shall prepare a brief memorandum summarizing the results of the meeting and shall submit it to County for concurrence.
- e. A-E shall complete all the work of Projects/Services and obtain all approvals by the County within the time frame indicated in Attachment A, except A-E shall not be responsible for any delay beyond the control of A-E.
- f. In the event A-E fails to complete the work and obtain the approval of Director or authorized designee, in the time allowed, County shall have the option of completing the work by its own forces or by contract with another firm. The time allowed for A-E to complete the Projects/Services pursuant to this Contract shall be extended for delay caused by County in completing its work pursuant to this Contract which delay exceeds the agreed County review and/or approval time periods.

### **1.3. Assistance by County Staff**

- 1.3.1. County shall assign an appropriate staff member to work with A-E in connection with the work of this Contract. Said staff member's duties will consist of the giving of advice and consultations, assisting A-E in negotiations with other public agencies and private parties, miscellaneous items which in the judgment of A-E or County's staff warrant attention, and all other duties as may be described in Attachment A.

- 1.3.2.** All of the above activities, however, shall be the primary responsibility of A-E to schedule, initiate and carry through to completion.

**1.4 Term and Maximum Compensation**

The term of this Contract shall commence upon Board of Supervisors approval or upon execution of all necessary signatures, whichever occurs later, and continues for 30 months from the issuance of the Notice to Proceed, with a **MAXIMUM AGGREGATE ALLOWABLE COMPENSATION OF [EIGHT HUNDRED TWENTY-FIVE THOUSAND (\$825,000)]**, except as permitted in Paragraph 1.5 below.

**1.5. A-E Compensation and Extra Work**

- 1.5.1.** For the Projects/Services authorized under this Contract, A-E shall be compensated in accordance with the following:
- 1.5.2.** For completion and approval of all Projects/Services where “Extra Work” (defined as changes in approved portions of the Project/Services required by and ordered in writing by Director or authorized designee, which changes constitute a change in or departure from said approved portions of Projects/Services) is not authorized, compensation including reimbursables shall be described and payable as stipulated in Fee Schedule, herein after referred to as “Attachment B”, attached hereto and incorporated herein by reference.
- 1.5.3.** Where Extra Work is authorized for Projects/Services:
- a. The amount for Extra Work shall be determined using Attachment B. Extra Work shall be required by and ordered in writing by Director or authorized designee. If this Contract is not approved by the Board of Supervisors, any change that increases the cumulative Contract price beyond \$200,000 must be approved by the Board. Increases in the Contract amount for services within the existing Scope of Work may be granted by the Director where the amount does not exceed 25 percent of the existing Contract price or \$200,000, whichever is less.
  - b. A-E's billing for the Extra Work shall include but not be limited to names of A-E's staff employed in the Extra Work, classification of employees and number of hours worked.
- 1.5.4.** For partial completion of work of Projects/Services followed by default on part of A-E:
- a. For failure to complete and secure approval of the first required submittal, there shall be no compensation.
  - b. For failure to complete and secure approval of other authorized phases, A-E shall, upon completion of Projects/Services by others, be entitled to receive compensation based on approved work of Projects/Services not to exceed the amounts specified in Attachment A for that particular submittal, plus the reasonable value as determined by County of the non-approved work; provided, however, that if the cost to County to complete the contract exceeds the amount specified herein, A-E shall be liable to County for such excess costs attributable to A-E's breach of the Contract.

**2. LABOR****2.1 Non-Employment of County Personnel**

**2.1.1** A-E agrees that it will neither negotiate, offer, or give employment to any full-time, regular employee of County in professional classifications of the same skills required for the performance of this Contract who is involved in this Project in a participatory status during the life of this Contract regardless of the assignments said employee may be given or the days or hours employee may work.

**2.1.2** Nothing in this Contract shall be deemed to make A-E, or any of A-E's employees or agents, agents or employees of the County. A-E shall be an independent contractor and shall have responsibility for and control over the details and means for performing the work, provided that A-E is in compliance with the terms of this Contract. Anything in the Contract which may appear to give County the right to direct A-E as to the details of the performance of the work or to exercise a measure of control over A-E shall mean that A-E shall follow the desires of County, only in the results of the work.

**2.2 Non-Discrimination**

**2.2.1** In the performance of this Contract, A-E agrees that it will comply with the requirements of the California Labor Code and not engage nor permit any subcontractors to engage in discrimination in employment of persons because of the race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, or sex of such persons.

**2.2.2** A-E acknowledges that a violation of this provision shall subject A-E to all the penalties imposed for a violation of the California Labor Code.

**2.3 Employee Eligibility Verification**

**2.3.1** A-E warrants that it fully complies with all Federal and State statutes and regulations regarding the employment of aliens, and others and that all its employees performing work under this Contract meet the citizenship or alien status requirement set forth in Federal statutes and regulations. A-E shall obtain from all employees performing work hereunder, all verification and other documentation of employment eligibility status required by Federal or State statutes and regulations, including but not limited to, the Immigration Reform and Control Act of 1986, 8 U.S.C. § 1324 et seq., as they currently exist and as they may be hereafter amended. A-E shall retain all such documentation for all covered employees for the period prescribed by the law.

**2.4 Independent Contractor**

**2.4.1** As referenced in Section 2.1.2 of this Contract, A-E shall be considered an independent contractor.

**2.4.2** Neither A-E, its employees nor anyone working under A-E shall qualify for workers' compensation or other fringe benefits of any kind through County.

**2.5 Conflict of Interest Contractor Personnel**

**2.5.1** The A-E shall exercise reasonable care and diligence to prevent any actions or conditions that could result in a conflict with the best interests of the County. This obligation shall

apply to the A-E; the A-E's employees, agents, and relatives; sub-tier contractors; and third parties associated with accomplishing work and Projects/Services hereunder.

- 2.5.2** A-E's efforts shall include, but not be limited to establishing precautions to prevent its employees or agents from: making, receiving, providing or offering gifts, entertainment, payments, loans or other considerations which could be deemed to appear to influence individuals to act contrary to the best interests of the County.

## **2.6 Labor Code Notice**

- 2.6.1** All A-E and subcontractors must comply with the requirements of California Labor Code 1770 et seq. if the work performed is considered a "public works" under California Labor Code 1720 et seq. A-E is encouraged to contact the California Department of Industrial Relations for clarification if the A-E is unsure if some or any of the work performed under this Contract qualifies as "public works".

## **3. INSURANCE**

- 3.1.1** Insurance at A-E's expense, including all endorsements required herein, necessary to satisfy the County that the insurance provisions of this Contract have been complied with. A-E agrees to keep such insurance coverage current, provide Certificates of Insurance, and endorsements to the County during the entire term of this Contract. The County reserves the right to request the declarations page showing all endorsements and a complete certified copy of the policy.

- 3.1.2** A-E shall ensure that all subcontractors performing work on behalf of A-E pursuant to this Contract shall be covered under A-E's insurance as an Additional Insured, or carry insurance subject to the same terms and conditions as set forth herein for A-E. A-E shall not allow subcontractors to work if subcontractors have less than the level of coverage required by County from A-E under this Contract. It is the obligation of A-E to provide notice of the insurance requirements to every subcontractor and to receive proof of insurance prior to allowing any subcontractor to begin work. Such proof of insurance must be maintained by A-E through the entirety of this Contract for inspection by County representative(s) at any reasonable time.

- 3.1.3** All self-insured retentions (SIR)'s shall be clearly stated on the Certificate of Insurance. Any SIR in excess of Fifty Thousand Dollars (\$50,000) shall specifically be approved by the County's Risk Manager, or designee. The County reserves the right to require current audited financial reports from A-E. If A-E is self-insured, A-E will indemnify the County for any and all claims resulting or arising from A-E's services in accordance with the indemnity provision stated in this Contract.

- 3.1.4** If the A-E fails to maintain insurance acceptable to the County for the full term of this Contract, the County may terminate this Contract.

### **A. Qualified Insurer**

1. The policy or policies of insurance must be issued by an insurer with a minimum rating of A- (Secure A.M. Best's Rating) and VIII (Financial Size Category as determined by the most current edition of the Best's Key Rating Guide/Property-Casualty/United States or ambest.co
2. If the insurance carrier does not have an A.M. Best Rating of A-/VIII,

CEO/Risk Management retains the right to approve or reject a carrier after a review of the company's performance and financial ratings.

3. The policy or policies of insurance maintained by the A-E shall provide the minimum limits and coverage as set forth below:

| <u>Coverage</u>  | <u>Minimum Limits</u>  |
|--|--|
| Commercial General Liability   | \$1,000,000 per occurrence<br>\$2,000,000 aggregate                |
| Automobile Liability including coverage for or scheduled, non-owned, and hired vehicles          | \$1,000,000 combined owned single limit each accident              |
| Workers' Compensation  | Statutory  |
| Employers' Liability Insurance   | \$1,000,000 per accident or disease                                |
| Professional Liability Insurance   | \$1,000,000 per claims-made or occurrence<br>\$2,000,000 aggregate |
| Pollution Liability<br>(Optional coverage to be required when hazardous materials are involved.) | \$1,000,000 per claims-made or occurrence                          |

Increased insurance limits may be satisfied with Excess/Umbrella policies. Excess/Umbrella policies when required must provide Follow Form coverage.

A. Required Coverage Forms

1. The Commercial General Liability coverage shall be written on occurrence basis Insurance Services Office (ISO) form CG 00 01, or a substitute form providing liability coverage at least as broad.
2. The Business Auto Liability coverage shall be written on ISO form CA 00 01, CA 00 05, CA 00 12, CA 00 20, or a substitute form providing liability coverage at least as broad.

B. Required Endorsements

The Commercial General Liability policy shall contain the following endorsements, which shall accompany the Certificate of Insurance:

1. An Additional Insured endorsement using ISO form CG 20 26 04 13 or a form at least as broad naming the *County of Orange, its elected and appointed officials, officers, employees, and agents* as Additional Insureds, or provide blanket coverage which shall state *As Required by Written Contract*.
2. A primary non-contributory endorsement using ISO form CG 20 01 04 13, or a form at least as broad evidencing that A-E's insurance is primary, and any insurance or self-

insurance maintained by the County shall be excess and non-contributing.

The Workers' Compensation policy shall contain a waiver of subrogation endorsement waiving all rights of subrogation against ***the County of Orange, its elected and appointed officials, officers, employees, and agents***, or provide blanket coverage which shall state ***As Required by Written Contract***.

The Pollution Liability policy shall contain the following endorsements, which shall accompany the Certificate of Insurance:

1. An Additional Insured endorsement naming **the County of Orange, its elected and appointed officials, officers, employees, and agents** as Additional Insureds.
2. A primary non-contributory endorsement evidencing that A-E's insurance is primary and any insurance or self-insurance maintained by the County of Orange shall be excess and non-contributing.

Pollution Liability insurance must include coverage for bodily injury and property damage, including coverage for loss of use and/or diminution in property value, and for clean-up costs arising out of, pertaining to, or in any way related to the actual or alleged discharge, dispersal, seepage, migration, release or escape of contaminants or pollutants resulting from any services or work performed by, or behalf of, A-E, including the transportation of hazardous waste, hazardous materials, or contaminants.

If the A-E's Professional and/or Pollution Liability policy(ies) is/are a claims-made policy, A-E shall agree to the following:

1. The retroactive date must be shown and must be before the date of the Contract or the beginning of the Contract services.
2. Insurance must be maintained, and evidence of insurance must be provided for at least three (3) years after expiration or earlier termination of Contract services.

If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the effective date of the Contract services, A-E must purchase an extended reporting period for a minimum of three (3) years after expiration of earlier termination of the Contract.

All insurance policies required by this Contract shall waive all rights of subrogation against the ***County of Orange, its elected and appointed officials, officers, employees, and agents*** when acting within the scope of their appointment or employment.

A-E shall provide thirty (30) days prior written notice to the County of any policy cancellation or non-renewal and ten (10) days prior written notice where cancellation is due to non-payment of premium and provide a copy of the cancellation notice to County. Failure to provide written notice of cancellation may constitute a material breach of the Contract, upon which the County may suspend or terminate this Contract.

The Commercial General Liability policy shall contain a severability of interest's clause (standard in the ISO CG 001 policy).

Insurance certificates shall be emailed to [OCWRPurchasing@ocwr.ocgov.com](mailto:OCWRPurchasing@ocwr.ocgov.com).

If the A-E fails to provide the insurance certificates and endorsements within seven (7) days of notification by CEO/Purchasing or the agency/department purchasing division, award may be made to the next qualified vendor.

County expressly retains the right to require A-E to increase or decrease insurance of any of the above insurance types throughout the term of this Contract. Any increase or decrease in insurance will be as deemed by County of Orange Risk Manager as appropriate to adequately protect County.

County shall notify A-E in writing of changes in the insurance requirements. If A-E does not provide copies of acceptable Certificates of Insurance and endorsements to County incorporating such changes within thirty (30) days of receipt of such notice, this Contract may be in breach without further notice to A-E, and County shall be entitled to all legal remedies.

The procuring of such required policy or policies of insurance shall not be construed to limit A-E's liability hereunder nor to fulfill the indemnification provisions and requirements of this Contract, nor act in any way to reduce the policy coverage and limits available from the insurer.

#### **4. INDEMNITY/COMPLIANCE**

**4.1 A-E shall indemnify, defend with counsel approved in writing by County of Orange, and hold harmless, the County of Orange, and their agents, officers, and employees from employer sanctions and any other liability which may be assessed against A-E or the County of Orange or both in connection with any alleged violation of any Federal or State statutes or regulations pertaining to the eligibility for employment of any persons performing work under this Contract.**

**4.2 All Projects/Services submitted by A-E shall be complete and shall be carefully checked prior to submission. A-E understands that County's checking is discretionary, and A-E shall not assume that County of Orange will discover errors and/or omissions. If County of Orange of Orange discovers any errors or omissions prior to approving A-E's Projects/Services, the Projects/Services will be returned to A-E for correction. Should County of Orange or others discover errors or omissions in the work submitted by A-E after County's approval thereof, County's approval of A-E's Projects/Services shall not be used as a defense by A-E.**

#### **4.3 Indemnification**

**4.3.1 A-E agrees to, indemnify, defend with counsel approved in writing by County of Orange, and hold County of Orange, and their elected and appointed officials, officers, employees, agents and those special districts and agencies which County's Board of Supervisors acts as the governing Board ("County Indemnitees") harmless from any claims, demands or liability of any kind or nature, including but not limited to personal injury or property damage, arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the A-E. If judgment is entered against A-E and County of Orange by a court of competent jurisdiction because of the concurrent active negligence of A-E and County of Orange or County of Orange Indemnitees, A-E and County of Orange agree that liability will be apportioned as determined by the court. Neither party shall request a jury apportionment. Notwithstanding anything stated above, nothing contained herein shall relieve A-E of any insurance requirements or obligations created elsewhere in this Contract.**



#### **4.4 Bills and Liens**

**4.4.1** A-E shall pay promptly all indebtedness for labor, materials and equipment used in performance of the work. A-E shall not permit any lien or charge to attach to the work or the premises, **but if any does so attach, A-E shall promptly procure its release and, in accordance with the requirements of the indemnification paragraph above, indemnify, defend, and hold County of Orange harmless and be responsible for payment of all costs, damages, penalties and expenses arising from or related thereto.**

#### **4.5 Compliance with Laws**

**4.5.1** A-E represents and agrees that services to be provided under this contract shall fully comply, at A-E's expense, with all standards, laws, statutes, restrictions, ordinances, requirements, and regulations (collectively "laws"), including, but not limited to those issued by County of Orange in its governmental capacity and all other laws applicable to the Projects/Services at the time Projects/Services are provided to and accepted by County of Orange.

**4.5.2** A-E acknowledges that County of Orange is relying on A-E for such compliance, and pursuant to the requirements of the indemnification paragraph above, **A-E agrees that it shall defend, indemnify and hold County of Orange and County of Orange Indemnitees harmless from all liability, damages, costs and expenses arising from or related to a violation of such laws.**

### **5. TERMINATION**

#### **5.1 Termination of Contract for Cause**

**5.1.1** If A-E breaches any of the covenants or conditions of this Contract, County shall have the right to terminate this Contract upon ten (10) days written notice prior to the effective day of termination.

**5.1.2** A-E shall have the opportunity to cure the alleged breach prior to termination.

**5.1.3** In the event the alleged breach is not cured by A-E prior to termination, all work performed by A-E pursuant to this County, which work has been reduced to plans or other documents, shall be made available to County.

#### **5.2 Termination for Convenience**

**5.2.1** Notwithstanding any other provision of the Contract, County may at any time, and without cause, terminate this Contract in whole or in part, upon not less than seven (7) calendar days' written notice to the A-E. Such termination shall be affected by delivery to the A-E of a notice of termination specifying the effective date of the termination and the extent of the Work to be terminated.

**5.2.2** A-E shall immediately stop work in accordance with the notice and comply with any other direction as may be specified in the notice or as provided subsequently by County.

**5.2.3** County shall pay the A-E for the Work completed prior to the effective date of the termination, and such payment shall be the A-E's sole remedy under this County.

**5.2.4** Under no circumstances will A-E be entitled to anticipatory or unearned profits,

consequential damages, or other damages of any sort as a result of a termination or partial termination under this Paragraph.

- 5.2.5** A-E shall insert in all subcontracts that the subcontractor shall stop work on the date of and to the extent specified in a notice of termination and shall require subcontractors to insert the same condition in any lower tier subcontracts.

### **5.3 Breach of Contract**

- 5.3.1** The failure of the A-E to comply with any of the provisions, covenants or conditions of this Contract shall be a material breach of this Contract. In such event, in addition to any other remedies available at law, in equity, or otherwise specified in this Contract, the County may:

- a. afford the A-E written notice of the breach and ten (10) calendar days or such shorter time that may be specified in this Contract within which to cure the breach;
- b. discontinue payment to the A-E for and during the period in which the A-E is in breach; and
- c. offset those monies disallowed pursuant to the above, against any monies billed by the A-E but yet unpaid by the County.

### **5.4 Default**

- 5.4.1** In the event any equipment or service furnished by the A-E in the performance of this Contract should fail to conform to the specifications therein within one (1) calendar year from the County's acceptance of the equipment or service, or any performance period specifically specified within the specifications or Contract, whichever is greater, the County may reject same, and it shall become the duty of the A-E to reclaim and remove the items without expense to the County and to immediately replace all such rejected equipment or service with others conforming to such specifications, provided that should the A-E fail, neglect or refuse to do so within one hundred and twenty (120) calendar days, the County shall have the right to purchase on the open market a corresponding quantity of any such equipment or service and to deduct from any monies due or that may thereafter become due to the A-E the difference between the price specified in this Contract and the actual cost to the County.

- 5.4.2** In the event the A-E shall fail to make prompt delivery as specified of any equipment or service, the same conditions as to the rights of the County to purchase on the open market and to reimbursement set forth above shall apply, except as otherwise provided in this Contract.

- 5.4.3** In the event of the cancellation of this Contract, either in whole or in part, by reason of the default or breach by the A-E, any loss or damage sustained by the County in procuring any equipment or service which the A-E agreed to supply under this Contract shall be borne and paid for by the A-E.

- 5.4.4** Default shall include failure to carry out any of the requirements of this Contract, including, but not limited to not providing enough properly skilled workers or proper materials, persistently disregarding laws and or ordinances, not proceeding with the Projects/Services as agreed to herein, or otherwise substantially violating any provision of this Contract.

**5.4.5** Upon termination of the Contract with A-E, the County may begin negotiations with a third-party A-E to provide goods and/or Projects/Services as specified in this Contract.

**5.4.6** The right of either party to terminate this Contract hereunder shall not be affected in any way by its waiver of or failure to take action with respect to any previous default.

## **6. MISCELLANEOUS**

### **6.1 Laws to be Observed**

**6.1.1** A-E is assumed to be familiar with and, at all times, shall observe and comply with all federal, state and local laws, ordinances and regulations in any manner affecting the conduct of the Projects/Services.

### **6.2 Award of Construction Contract and Other Future Contracts**

**6.2.1** A-E is hereby informed that provisions of the Public Contract Code, the Political Reform Act of 1974, other statutes, regulations, and County policy prohibit, as an impermissible conflict of interest, the award of a contract for the construction of the project(s) on which A-E performed architectural-engineering services under this A-E Contract. A-E is hereby informed that these statutes and regulations could also prohibit the award to A-E of design or other contracts on future phases related to tasks performed by A-E under this Contract. This prohibition applies also to a subcontractor of or parent company of the firm that performed architectural-engineering tasks under this Contract.

### **6.3 Amendments**

**6.3.1** No alteration or variation of the terms of this Contract shall be valid unless made in writing and signed by the Parties; no oral understanding or agreement not incorporated herein shall be binding on either of the Parties; and no exceptions, alternatives, substitutes or revisions are valid or binding on County unless authorized by County in writing.

### **6.4 Successors and Assigns**

**6.4.1** The terms and provisions of this Contract shall be binding upon and inure to the benefit of the parties hereto and their successors and assigns.

### **6.5 Entirety**

**6.5.1** This Contract contains the entire agreement between the parties with respect to the matters provided for herein.

### **6.6 Severability**

**6.6.1** If any part of this Contract is held, determined, or adjudicated to be illegal, void, or unenforceable by a court of competent jurisdiction, the remainder of this Contract shall be given effect to the fullest extent reasonably possible.

### **6.7 Binding Obligation**

**6.7.1** The Parties to this Contract represent and warrant that this Contract has been duly authorized and executed and constitutes the legally binding obligation of their respective organization or entity enforceable in accordance with its terms.

**6.8 Governing Law and Venue**

**6.8.1** This Contract has been negotiated and executed in the State of California and shall be governed by and construed under the laws of the State of California. In the event of any legal action to enforce or interpret this Contract, the sole and exclusive venue shall be a court of competent jurisdiction located in Orange County, California, and the Parties hereto agree to and do hereby submit to the jurisdiction of such court, notwithstanding Code of Civil Procedure, Section 394.

**6.8.2** The Parties specifically agree that by soliciting and entering into and performing Projects/Services under this Contract, the A-E shall be deemed to constitute doing business within Orange County from the time of solicitation of work, through the period when all Projects/Services under this Contract is completed and continuing until the expiration of any applicable limitations period.

**6.9 Intentionally Omitted****6.10 Ownership of Documents**

**6.10.1** All data, including but not limited to letters, reports, files, plans, drawings, specifications, proposals, sketches, diagrams and calculations, prepared by A-E and/or anyone acting under the supervision of A-E pursuant to this Contract, shall become the property of County upon preparation by A-E and may be used by the County as it may require without additional cost to the County.

**6.10.2** County shall not be limited in any way to its use thereof at any time, including the release of this data to third parties. A-E shall be held harmless for release of such data as may be prepared or created under this Contract to any third party. If A-E and/or anyone acting under the supervision of A-E should later desire to use any of the data prepared in connection with this Contract, A-E shall first obtain the written approval of County.

**6.11 Confidentiality**

**6.11.1** All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, and all written or other information submitted to A-E in connection with the performance of this Contract shall be held confidential by A-E and/or anyone acting under the supervision of A-E and shall not, without the prior written consent of County, be used for any purposes other than the performance of the Projects/Services described in Attachment A, nor be disclosed to any person, partnership, company, corporation or agency, not connected with the performance of the Projects/Services.

**6.11.2** Nothing furnished to A-E which is generally known among counties in Southern California shall be deemed confidential.

**6.12** A-E and/or anyone acting under the supervision of A-E shall not use County name or insignia, photographs of the work, or any other publicity pertaining to the work in any magazine, trade paper, newspaper, or other medium without the express written consent of County.

**6.13 Publication**

**6.13.1** No copies of sketches, schedules, written documents, computer based data, photographs, maps or graphs, including graphic art work, resulting from performance or prepared in

connection with this Contract, are to be released by A-E and/or anyone acting under the supervision of A-E to any person, partnership, company, corporation, or agency, without prior written approval by the County, except as necessary for the performance of the services of this Contract. All press contacts, including graphic display information to be published in newspapers, magazines, etc., are to be administered only after County approval.

**6.13.2** The A-E agrees that it will not issue any news releases or make any contact with the media in connection with either the award of this Contract or any subsequent amendment of, or effort under this Contract. A-E must first obtain review and approval of said media contact from the County through the County's Project Manager. Any requests for interviews or information received by the media should be referred directly to the County. A-E's are not authorized to serve as a media spokesperson for County projects without first obtaining permission from the County Project Manager.

#### **6.14 Records and Audit/Inspections**

**6.14.1** A-E shall keep an accurate record of time expended by A-E and/or consultants employed by A-E in the performance of this Contract.

**6.14.2** Within ten (10) days of County's written request, A-E shall allow County or authorized State or Federal agencies or any duly authorized representative to have the right to access, examine, audit, excerpt, copy or transcribe any pertinent transaction, activity, time cards or other records relating to this Contract.

**6.14.3** A-E shall keep such material, including all pertinent cost accounting, financial records and proprietary data for a period of three (3) years after termination or completion of the Contract or until resolution of any claim or dispute between the Parties, whichever is later.

**6.14.4** Should A-E cease to exist as a legal entity, records pertaining to this Contract shall be forwarded within a reasonable period of time not to exceed sixty (60) days to its successor in interest or surviving entity in a merger or acquisition, or, in the event of liquidation, to County.

#### **6.15 Notices**

**6.15.1** Any and all notices, requests, demands and other communications contemplated, called for, permitted, or required to be given hereunder shall be in writing, except through the course of the Parties' project managers' routine exchange of information and cooperation during the Projects/Services.

**6.15.2** Any written communications shall be deemed to have been duly given upon actual in-person delivery, if delivery is by direct hand, or upon delivery on the actual day of receipt, or no greater than four (4) calendar days after being mailed by U. S. certified or registered mail, return receipt requested, postage prepaid, whichever occurs first. The date of mailing shall count as the first day.

**6.15.3** All communications shall be addressed to the appropriate party at the address stated herein or such other address as the parties hereto may designate by written notice from time to time in the manner aforesaid.

For A-E: Tetra Tech BAS, Inc.  
21700 Copley Drive Suite 200

County of Orange, OC Waste & Recycling  
TETRA TECH BAS, INC.

MA-299-24011358

Diamond Bar, CA 91765  
Attn: Caleb Moore  
Phone: 909-655-3256  
E-mail: [caleb.moore@tetrattech.com](mailto:caleb.moore@tetrattech.com)

For County: OC Waste & Recycling, Frank R. Bowerman Landfill  
11002 Bee Canyon Access Road  
Irvine, CA 92602  
Attn: Kevin Hanson  
Phone: 949-279-8483  
E-mail: [kevin.hanson@ocwr.ocgov.com](mailto:kevin.hanson@ocwr.ocgov.com)

cc: OC Waste & Recycling Procurement Services  
601 N. Ross St. 5<sup>th</sup> Floor  
Santa Ana, CA 92701  
Attn: Alan Araujo  
Phone: 714-834-4140  
E-mail: [alan.araujo@ocwr.ocgov.com](mailto:alan.araujo@ocwr.ocgov.com)

## **6.16 Attorney's Fees**

**6.16.1** In any action or proceeding to enforce or interpret any provision of this Contract, or where any provision hereof is validly asserted as a defense, each party shall bear its own attorney's fees, costs and expenses.

## **6.17 Interpretation**

**6.17.1** Contract has been negotiated at arm's length and between persons sophisticated and knowledgeable in the matters dealt with in this Contract.

**6.17.2** In addition, each Party has been represented by experienced and knowledgeable independent legal counsel of their own choosing or has knowingly declined to seek such counsel despite having the opportunity to do so.

**6.17.3** Each Party further acknowledges that they have not been influenced to any extent whatsoever in executing this Contract by any other Party hereto or by any person representing them, or both.

**6.17.4** Accordingly, any rule of law (including California Civil Code Section 1654) or legal decision that would require interpretation of any ambiguities in this Contract against the Party that has drafted it is not applicable and is waived.

**6.17.5** The provisions of this Contract shall be interpreted in a reasonable manner to affect the purpose of the Parties and this Contract.

## **6.18 Headings**

**6.18.1** The various headings and numbers herein, the grouping of provisions of this Contract into separate clauses and paragraphs, and the organization hereof are for the purpose of convenience only and shall not limit or otherwise affect the meaning hereof.

## **6.19 Acceptance**

**6.19.1** Unless otherwise agreed to in writing by County acceptance shall not be deemed complete unless in writing and until all the services have actually been received, inspected, and tested to the satisfaction of County.

**6.20 Changes**

**6.20.1** A-E shall make no changes in the work or perform any additional work without the County's specific written approval.

**6.21 Assignment**

**6.21.1** The terms, covenants, and conditions contained herein shall apply to and bind the heirs, successors, executors, administrators and assigns of the parties. Furthermore, neither the performance of this Contract nor any portion thereof may be assigned or sub-contracted by A-E, by any means whatsoever including but not limited to acquisition by merger, without the express written consent of County. Any attempt by A-E to assign or sub-contract the performance or any portion thereof of this Contract without the express written consent of County shall be invalid and shall constitute a breach of this Contract.

**6.22 Changes in Ownership**

**6.22.1** A-E agrees that if there is a change or transfer in ownership, including but not limited to merger by acquisition, of A-E's business prior to completion of this Contract, the new owners shall be required under terms of sale or other transfer to assume A-E's duties and obligations contained in this Contract and to obtain the written approval of County of such merger or acquisition, and complete the obligations and duties contained in the Contract to the satisfaction of County. A-E agrees to pay, or credit toward future work, County's costs associated with processing the merger or acquisition.

**6.23 Force Majeure**

**6.23.1** A-E shall not be assessed with damages or unsatisfactory performance penalties during any delay beyond the time named for the performance of this Contract caused by any act of God, war, civil disorder, employment strike or other cause beyond its reasonable control, provided A-E gives written notice of the cause of the delay to County within thirty-six (36) hours of the start of the delay and A-E avails himself of any available remedies.

**6.24 Calendar Days**

**6.24.1** Any reference to the word "day" or "days" herein means calendar day or calendar days, respectively, unless otherwise expressly provided.

**6.25 Title to Data**

**6.25.1** All materials, documents, data or information obtained from the County data files or any County medium furnished to the A-E in the performance of this Contract, will at all times remain the property of the County. Such data or information may not be used or copied for direct or indirect use by the A-E after completion or termination of this Contract without the express written consent of the County.

**6.25.2** All materials, documents, data or information, including copies furnished by County and loaned to A-E for his temporary use, must be returned to the County at the end of this

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Contract unless otherwise specified by the Director.

## **6.26 Availability of Funds**

**6.26.1** The obligation of County is subject to the availability of funds appropriated for this purpose, and nothing herein shall be construed as obligating the County to expend or as involving the County in any contract or other obligation for future payment of money in excess of appropriations authorized by law.

## **6.27 Contingency of Funding**

**6.27.1** A-E acknowledges that funding or portions of funding for this Contract may also be contingent upon receipt of funds from, and/or appropriation of funds by, the State of California or other funding sources to County. If such funding and/or appropriations are not forthcoming, or otherwise limited, County may immediately terminate or modify this Contract without penalty.

## **6.28 Contract Construction**

**6.28.1** The Parties acknowledge that each party and its counsel have reviewed this Contract and that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Contract or any amendment or exhibits hereto.

## **6.29 Conflicts of Interest**

**6.29.1** A-E or its employees may be subject to the provisions of the California Political Reform Act of 1974 (the "Act"), which (1) requires such persons to disclose any financial interest that may be materially affected by services provided under this Contract, (2) prohibits such persons from making, or participating in making, decisions that could reasonably affect such interest; and (3) may require the filing a Statement of Economic Interest (Form 700).

**6.29.2** If subject to the Act, A-E shall conform to all requirements of the Act. Failure to do so shall constitute a material breach and is grounds for immediate termination of this Contract by County. Pursuant to Section 4.3 "Indemnification", A-E shall indemnify and hold harmless County for any and all claims for damages resulting from Contractor's violation of this Section.

## **6.30 Usage**

**6.30.1** No guarantee is given by the County to A-E regarding usage of this Contract. The A-E agrees to supply services requested, as needed by the County of Orange, at prices listed in the Contract, regardless of quantity requested.

## **6.31 Wage Rates**

**6.30.1** Contractor shall post a copy of the wage rates at the job site and shall pay the adopted prevailing wage rates as a minimum. Pursuant to the provisions of Section 1773 of the Labor Code of the State of California, the Board of Supervisors has obtained the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in this locality for each craft, classification, or type of workman needed to execute this Contract from the Director of the Department of Industrial Relations.



These rates are on file with the Clerk of the Board of Supervisors. Copies may be obtained at cost at the office of County's OC Waste & Recycling/OC Facilities & Asset Management/A&E Project Management or visit the website of the Department of Industrial Relations, Prevailing Wage Unit at [www.dir.ca.gov/DLSR/PWD](http://www.dir.ca.gov/DLSR/PWD). The Contractor shall comply with the provisions of Sections 1774, 1775, 1776 and 1813 of the Labor Code.

### **6.32 Apprenticeship Requirements**

**6.32.1** The Contractor shall comply with Section 230.1(A), California Code of Regulations as required by the Department of Industrial Relations, Division of Apprenticeship Standards by submitting DAS Form to the Joint Apprenticeship Committee of the craft or trade in the area of the site.

### **6.33 Registration of Contractor**

**6.32.1** All contractors and subcontractors must comply with the requirements of Labor Code Section 1771.1(a), pertaining to registration of contractors pursuant to Section 1725.5. Bids cannot be accepted from unregistered contractors except as provided in Section 1771.1. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. After award of the contract, Contractor and each Subcontractor shall furnish electronic payroll records directly to the Labor Commissioner in the manner specified in Labor Code Section 1771.4.

### **6.34 Payroll Records**

**6.34.1** Contractor and any Subcontractor(s) shall comply with the requirements of Labor Code Section 1776. Such compliance includes the obligation to furnish the records specified in Section 1776 directly to the Labor Commissioner in an electronic format, or other format as specified by the Commissioner, in the manner provided by Labor Code Section 1771.4.

**6.34.2** The requirements of Labor Code Section 1776 provide, in summary:

**6.34.3** Contractor and any Subcontractor(s) performing any portion of the work under this Contract shall keep an accurate record, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by Contractor or any Subcontractor(s) in connection with the work.

**6.34.4** Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following:

**6.34.5** The information contained in the payroll record is true and correct.

**6.34.6** The employer has complied with the requirements of Labor Code Sections 1771, 1811, and 1815 for any work performed by his or her employees in connection with the Contract.

**6.34.7** The payroll records shall be certified and shall be available for inspection at the principal office of Contractor on the basis set forth in Labor Code Section 1776.

- 6.34.8** Contractor shall inform County of the location of the payroll records, including the street address, city and county, and shall, within five working days, provide a notice of any change of location and address of the records.
- 6.34.9** Pursuant to Labor Code Section 1776, Contractor and any Subcontractor(s) shall have 10 days in which to provide a certified copy of the payroll records subsequent to receipt of a written notice requesting the records described herein. In the event that Contractor or any Subcontractor fails to comply within the 10-day period, he or she shall, as a penalty to County, forfeit \$100, or a higher amount as provided by Section 1776, for each calendar day, or portion thereof, for each worker to whom the noncompliance pertains, until strict compliance is effectuated. Contractor acknowledges that, without limitation as to other remedies of enforcement available to County, upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement of the California Department of Industrial Relations, such penalties shall be withheld from progress payments then due Contractor. Contractor is not subject to a penalty assessment pursuant to this section due to the failure of a subcontractor to comply with this section.
- 6.34.10** Contractor and any Subcontractor(s) shall comply with the provisions of Labor Code Sections 1771 et seq. and shall pay workers employed on the Contract not less than the general prevailing rates of per diem wages and holiday and overtime wages as determined by the Director of Industrial Relations. Contractor shall post a copy of these wage rates at the job site for each craft, classification, or type of worker needed in the performance of this Contract, as well as any additional job site notices required by Labor Code Section 1771.4(b). Copies of these rates are on file at the principal office of County's representative, or may be obtained from the State Office, Department of Industrial Relations ("DIR") or from the DIR's website at [www.dir.ca.gov](http://www.dir.ca.gov). If the Contract is federally funded, Contractor and any Subcontractor(s) shall not pay less than the higher of these rates or the rates determined by the United States Department of Labor.
- 6.35 Work Hour Penalty**
- 6.35.1** Eight hours of labor constitute a legal day's work, and forty hours constitute a legal week's work. Pursuant to Section 1813 of the Labor Code of the State of California, the Contractor shall forfeit to the County Twenty Five Dollars (\$25) for each worker employed in the execution of this Contract by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than the legal day's or week's work, except that work performed by employees of said Contractor and subcontractors in excess of the legal limit shall be permitted without the foregoing penalty upon the payment of compensation to the workers for all hours worked in excess of eight hours per day of not less than 1-1/2 times the basic rate of pay.
- 6.35 Apprentices**
- 6.35.1** The Contractor acknowledges and agrees that, if this Contract involves a dollar amount greater than or a number of working days greater than that specified in Labor Code Section 1777.5, this Contract is governed by the provisions of Labor Code Section 1777.5. It shall be the responsibility of the Contractor to ensure compliance with this Article and with Labor Code Section 1777.5 for all apprenticeable occupations.
- 6.35.2** Pursuant to Labor Code Section 1777.5 if that Section applies to this Contract as indicated above, the Contractor and any subcontractors under him employing workers in

any apprenticeable craft or trade in performing any work under this Contract shall apply to the applicable joint apprenticeship committee for a certificate approving the Contractor or subcontractor under the applicable apprenticeship standards and fixing the ratio of apprentices to journeymen employed in performing the work.

**6.35.3** Pursuant to Labor Code Section 1777.5 if that Section applies to this Contract as indicated above, the Contractor and any subcontractor under him may be required to make contributions to the apprenticeship program.

**6.35.4** The Contractor and all subcontractors under him shall comply with Labor Code Section 1777.6 which Section forbids certain discriminatory practices in the employment of apprentices.

**6.36 Safety**

A-E shall comply with County's Safety and Loss Prevention Policy and Procedure #306 ("Contractor Safety Responsibilities") and submit a copy of its Injury and Illness Prevention Program (IIPP) and Contractor Safety-Activity Checklist to the designated County Procurement staff as part of the solicitation and/or contract process. A-E will notify County Project Manager of any revisions to the Safety Activity Checklist and will provide a new Safety-Activity Checklist upon County request. The IIPP shall comply with California Code of Regulations, Title 8, Section 1509 or 3203 (whichever applies). A-E shall submit other safety programs that pertain to the type of job that will be performed on site. County reserves the right to conduct inspections and audits as necessary for the purpose of evaluating any aspect of safety performance under this Contract.

**6.37 Levine Act Requirement**

A-E agrees to comply with Government Code Section 84308. A-E further agrees to disclose to the County any contribution made to any members of the Board of Supervisors or County Agency Officers by A-E, A-E's agent or lobbyist, or, if applicable, any subcontractor(s) for the twelve (12) months prior to and twelve (12) months following the approval, renewal, or extension of this Contract.

County of Orange, OC Waste & Recycling  
TETRA TECH BAS, INC.

MA-299-24011358

The Parties hereto have executed this Contract on the dates shown opposite their respective signatures below.

**TETRA TECH BAS, INC.\*:**

*\*If Contracting party is a corporation the following signature requirement applies: First (1<sup>st</sup>) signature by the Chairman of the Board, the President or any Vice President.*

Christine Arbogast President

|             |   |        |
|-------------|---|--------|
| Print Name* | DocuSigned by:<br><i>Christine Arbogast</i> | Title* |
| Signature*  | <small>C19A7E7443AB49B...</small>           | Date*  |

*\*\*If Contracting party is a corporation the following signature requirement applies: Second (2<sup>nd</sup>) signature by the Secretary, any Assistant Secretary, the Chief Financial Officer or any Assistant Treasurer.*

Jeffrey M. Williams Chief Financial officer

|              |  |         |
|--------------|--|---------|
| Print Name** | DocuSigned by:<br><i>Jeffrey M. Williams</i> | Title** |
| Signature**  | <small>27DAEA388DDA4BE...</small>            | Date**  |

\*\*\*In the alternative, a single corporate signature is acceptable when accompanied by a corporate resolution demonstrating the legal authority of the signee to bind the corporation.

**County of Orange, a political subdivision of the State of California**

|            |       |
|------------|-------|
| Print Name | Title |
| Signature  | Date  |

**APPROVED AS TO FORM**

Office of the County Counsel  
Orange County, California  
Paul Albarian

By: \_\_\_\_\_

Deputy DocuSigned by:  
**Paul Albarian**  
C57E04561C5546A...

Signature: \_\_\_\_\_

Date: 07/08/2024

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**ATTACHMENT A**  
**SCOPE OF WORK**

The A-E will be contacted by County Project Management staff for professional services. Requirements will be discussed by both Parties and A-E shall prepare a detailed written *Scope Statement* that will include the specific work to be performed, including the costs and time required to complete each sub-project/task. Orange County Project Management staff will then review the A-E's *Scope Statement*, proceed with negotiation of task costs and when satisfied, issue a Contract Task Order (CTO) against this Contract.

The A-E shall serve as lead of a design team that may include other construction design professionals working together to ensure that the original design is carried through to the finished product, with no alterations in materials or design that would lead to safety issues or compromise the quality of the building or building component. Other team members who may be retained by the lead to support a project as a consultant may include but are not limited to landscape architects, lighting designers, data consultants, security consultants, controls engineers, commissioning consultants, traffic engineers, surveyors, estimators, special inspection, etc.

The A-E shall be responsible for the preparation of comprehensive building assessments, designs, drawings, specifications, cost estimates, and reports within the scope of the Contract Task Order (CTO). In the preparation of construction drawings and specification, the A-E shall also responsible for:

- A. Obtaining data by reviewing record drawings, visiting the site of the construction and by conferences with the User/Client and facility maintenance staff or by other actions as necessary to develop the design;
- B. Checking of shop drawings, submittals, materials and other data submitted by the Construction Contractor for approval;
- C. Furnishing consultation and advice to County to clarify the intent of the drawings and specifications and on questions that may arise during the construction of the project;
- D. Space planning, programming and code compliance review and upgrades;
- E. The meeting of submittal dates included in the *Scope Statement* of the Contract Task Order, including the work of consultants;
- F. Coordination with various agencies having authority of jurisdiction for planning services, entitlement, fire life safety, CEQA, ADA, etc.;
- G. Construction administration services, testing and commissioning;
- H. Close out services, as-built plans, material lists, project acceptance, etc.
- I. The coordination of the various elements of the design to assure compatibility of architectural, structural, electrical, mechanical/plumbing, and other design features;
- J. Other services as specifically included in the Contract Task Order related to project Initiation, Planning/Design, Bid/Award, Construction and Closeout.

The A-E shall restrict themselves to the *Scope Statement* of the Contract Task Order. Any changes in the *Scope Statement* shall require prior written authorization by County.

## I. CONTRACT TASK ORDER

A-E shall be assigned work via a task order by COUNTY which shall subsequently be referred to as the “Contract Task Order” (hereinafter “CTO”). A CTO for each project shall be developed by A-E in conjunction with COUNTY Project Management staff. The County Project Manager shall manage all A-E’s work including monitoring the CTO work schedule, quality of deliverables, review of invoiced amounts, adherence to set budget, and internal review of submittal packages. A-E shall follow all requirements as outlined in the CTO; this general Scope of Work, the project specific *Scope Statement*, and the Architect-Engineer Guide (Rev July 2018).

The CTO shall include a detailed *Scope Statement*, describing tasks to be performed with a specific list of deliverables for each task, schedule of work and cost to complete the work. The schedule of work shall allow enough time for meetings with County Management staff to review the work progress, provide technical and policy direction, resolve problems and ensure adherence to the work completion schedule. The CTO shall include a cover sheet provided by County Project Management staff with the appropriate signature blocks and contract information. Once both Parties agree, and all Parties have signed the CTO, County Management staff shall provide A-E with a Notice to Proceed (NTP) to begin work. A-E shall submit all plans, reports and other documents produced under the CTO to the assigned County Project Manager within the timeframe indicated in the CTO or as directed by County Project Management staff.

## II. BACKGROUND INFO

It is our understanding that OCWR desires to have the Tetra Tech BAS (TTBAS) team prepare the Phase VIII-A2 Groundwater Protection and Stockpile Plans. In accordance with OCWR’s request, TTBAS has developed this task order proposal to complete the tasks as presented below.

### **Task 01 Design Packages:**

TTBAS has already prepared the permit level plans, specifications, and CQA plan which has been approved by the RWQCB as part of the Phase VIII-A1 and A2 Design Report. TTBAS will now prepare construction level plans, specifications, and CQA plan using the permit level plans, the final Phase VIII-A1 construction documents, and as-built construction documents from the same project. TTBAS proposes to prepare these documents in a **draft**, **draft final**, and **final** submittal packages. The draft submittal will be the updated liner grading, utilities (LFG/water) design, and drainage and road design. The draft final will include all updated documents from the draft package and will also include specifications, CQA plan, and bid schedule. The final package will include all the documents from the draft final package and the engineer’s estimate, final updated drainage calculations, and updated geotechnical evaluations. The updated drainage calculations and geotechnical evaluations will be provided in technical memorandum formats.

*Liner Grading Plans:* TTBAS will update all the grading daylight lines, adding additional detail to liner connections, update liner terminations ensuring no conflicts with current operations, access roads, utilities, and updated geotechnical recommendations. All volumes for mass excavation, soil liner materials processing, and buttressing will be calculated to determine soil stockpiling needs for construction. TTBAS does not anticipate significant changes to the

approved grading design concept. TTBAS assumes that the County will provide an updated aerial topography of the site and that minimal supplemental field survey will be required.

*Water and LFG Design:* TTBAS will prepare a revised LFG north header and lateral realignment plan for the Phase VIII-A2 construction drawings. The TTBAS design will include plans for both final and interim alignment, connection tees and valving for future connections and a design that will reduce the overall down time of the system in that area. TTBAS will also prepare a revised water line alignment that will reconnect the overhead fill stand tanks along with a revised discharge line for the lined basin. TTBAS will also prescribe interim connections for construction phasing.

*Drainage and Access Road Plans:* TTBAS will prepare the temporary and permanent access roads and drainage system with the goal to provide safe passage of vehicles, limit erosion through stable soil surfaces, protect drainage features, reduce needed future modifications, and maintain storm water quality compliance in the landfill lifecycle. Appropriate application of interim and final stormwater best management practices (BMPs) will be implemented based on input from the site and flexibility of installation. TTBAS will coordinate with site engineering and operational staff to provide options and receive input on current operations. TTBAS will also perform a field inspection of all major upstream and downstream connection points to ensure that as-builts and aerial mapping is correct and complete.

TTBAS will update the current drainage analysis to incorporate grading changes that will be implemented with this phase to comply with Title 27 of the California Code of Regulations which requires that a Class III landfill's drainage system have adequate capacity to convey flows from a 100-year, 24-hour storm event. To meet these requirements, the Phase VIII-A2 design will include drainage structures that are integrated with the liner in a manner that enhances the storm water protection provided by the existing drainage system. The drainage system may include some of the following features:

1. Bench and down drains that are turf reinforcement mats, concrete or earthen lined,
2. Energy dissipaters where necessary, and
3. Drainage sump located outside the lined areas but low enough to contain the runoff from the lined areas that will be pumped out of the hole.

The TTBAS Team will analyze surface-water drainage controls using the Advanced Engineering Software program, which is based on the Rational Method. Modeling for hydraulic structures will be performed using Bentley's Flowmaster software for determining the sizes of open channels, orifices and culverts.

*Stockpile Plans:* TTBAS will develop the stockpile grading plan by considering current topography, the overall soils handling plan, drainage, and operational concerns for slope and drainage maintenance. The stockpile plan will consider the future filling operations, access, and drainage. TTBAS will update the stockpile plan once before bidding if necessary due to changing grades.

*Construction Specifications / CQA Plan / Bid Schedule:* TTBAS will utilize the final Phase VIII-A1 construction specifications and CQA plan as the basis for the Phase VIII-A2 specifications and CQA plan. Updates to the documents will be made based on changes to the plans, lessons learned on the Phase VIII-A1 construction, and input from site staff. Each pay

item will be described with original text or utilizing industry standard specifications. Each section will be broken out into description of item(s), materials, methods of construction, and measurement and payment. The specifications will be added to the County standard front-end documents and act as the primary source for the contractual document between the County and the Contractor. These specifications will be prepared by a senior engineer after substantial completion of the plans and then reviewed by both the project engineer and senior field staff for a QC/constructability review.

TTBAS will calculate quantity take-offs and estimate costs for each pay item prepared in the specifications. The quantity take-offs will be verified by having redundant levels of review amongst staff level engineers along with a final review by a senior level engineer. All costing will be performed by a senior level engineer and then reviewed by the overall project engineer prior to submission to the County.

*AES Plan Review & Updated Geotechnical Calculations:* AES will review and update any slope stability analyses based on observations with the on-going Phase VIII-A1 construction. This will include all interim excavation and final refuse fill slopes. Below is the scope of work from TO 1 that will be finalized in iterations as the final grading plans are completed:

- Any areas of potential geologic instability will be evaluated in this task. Stability evaluations will be performed in accordance with the requirements of county, state, and federal agencies and landfill guidance documents. The results of these evaluations will provide input to development of the project design plan. The site topography and geological, geotechnical, and hydrogeological characterization data will be used to develop representative cross-sections for stability analyses.
- Geologic cross sections and material property data will be inputted to a computerized slope stability program along with the external loading parameters to obtain factors of safety for the slopes. Potential sliding surfaces, both block and circular, will be evaluated. Where the slope geometry and bedding attitudes warrant, three-dimensional stability analyses are to be performed to optimize the design of stable slopes.
- Based on the results of these analyses, areas where the factor of safety may be inadequate will be identified and potential stabilization measures will be considered. In conjunction with development of the final grading plan, critical cross-sections will be analyzed for slope stability under static loading conditions for short-term slopes and for both static and dynamic loading conditions for long-term slopes. The potential for development of unstable slope areas during grading will also be evaluated.
- The design earthquake criteria specified in Federal Regulations (Subtitle D) and State Regulations (CCR Title 27) may make seismic loading the governing criterion for excavated slopes. Seismic analysis of slope may require computation of deformations to assess its seismic stability.

AES will also review and provide input on the plans as part of the design team to ensure that all previous and current geotechnical recommendations have been incorporated into the design.

**Task 02 Bid Support:**

*Bid Support:* TTBAS will attend the pre-bid meeting with the County and the contractors preparing to bid on the project. Background information regarding the site permitting and



RWQCB approvals leading to the composite liner system will be discussed. The location of the material source and properties of the material, and the liner system components required for the project will also be discussed.

TTBAS will support the County, as required, throughout the bidding process. Contractor questions during the bid process will be reviewed and answered in written form and will be included with addenda prepared by the County.

### **Task 03 Engineering Support and Project Management:**

*Engineering Support:* Progress meetings will be held weekly at the construction site. TTBAS Project Manager will attend the meetings when necessary, as determined by the County. TTBAS will address the following items:

- Design issues and plan and specification clarifications.
- Plan revisions or detail revisions for clarification of design.
- Job specific items.
- Additional work items.

*Attend Coordination Meetings:* TTBAS will provide consultation to the County and will attend meetings (either by phone or in person), as required or requested, to maintain project coordination and communication.

*Perform Engineering Observation:* Field observation of the construction methods and materials used by the contractor will be performed by the Project Manager or Project Engineer on an as needed basis. Whenever possible, these observations will be conducted when the Project Manager or Project Engineer is at the landfill for other site meetings. TTBAS will document any comments or suggestions regarding the construction and forward recommendations to the construction manager. If deficiencies are noted, TTBAS will advise the County and work with the construction manager and the contractor for a resolution.

*Review Technical Issues and Consult with the County:* TTBAS features an in-house staff of solid waste engineers, geologists, hydrogeologists, landfill gas control specialists, and lined cell construction managers who will be available to assist the County, as required, on technical issues arising during the construction phase of the project.

*Review Contractor Change Order Requests:* Should change orders be requested during the construction period, TTBAS will assist the County in reviewing and verifying the request. Calculations and analysis of the proposed change will be reviewed as appropriate. Discussions with the County will be held and recommendations for acceptance or rejection or modification of the request will be made.

*Review Contractor Submittals and Manufacturer Information:* Submittal of materials by the contractor will be reviewed by the Project Engineer. Each submittal will be approved or rejected and returned to the construction manager for tracking and distribution.

*Respond to Contractor Requests for Information:* TTBAS will review and respond to contractor Requests for Information (RFIs) concerning design clarifications, changed conditions in the field, or other issues that dictate adjustments or modification to any component of the project.

*Final Job Walk and Punch List:* TTBAS will participate in a job walk at the end of the project and will assist with development of a punch list of outstanding items. The punch list will identify those items that require completion or additional attention to be in compliance with the Plans and Specifications. In addition to assisting with the punch list, TTBAS will participate in discussions for any punch-list clarifications with the construction manager, the County, and the contractor. A follow-up job completion walk will most likely be necessary and is budgeted, to verify that the punch list work has been completed. If any of these job walks are performed in combination with the weekly construction meeting, there will be cost savings to this budget item.

It is anticipated that AES will perform all engineering support as part of the CM/CQA team therefore no budget has been allotted within the scope.

**SCHEDULE AND FEE ESTIMATE:**

The schedule of this task order will commence upon the Notice to Proceed and extend over the construction schedule. The Design period is anticipated to be completed within eight (8) to nine (9) months. Construction is anticipated to be completed over a 15-month period.

A breakdown of labor and expenses is presented in the Vendors Fee Schedule. This estimated fee is for budget purposes only and all work performed will be billed on a time and materials, not-to-exceed basis at the rates shown on our current Rate Schedule.

**ATTACHMENT B  
COST/COMPENSATION**

**I. COMPENSATION:**

This is an **all-inclusive fixed-fee** Contract between County and A-E for **Phase VIII-A2 Groundwater Protection Project** as set forth in Attachment A, "Scope of Work".

A-E agrees to accept the specified compensation as set forth in this Contract as full remuneration for performing all services and furnishing all staffing, labor, vehicles, equipment, tools, materials, overhead, travel, etc. required, for any reasonably unforeseen difficulties which may arise or be encountered in the execution of the services until acceptance, for risks connected with the services, and for performance by A-E of all its duties and obligations hereunder. A-E shall only be compensated as set forth herein below for work performed in accordance with the Scope of Work. **County shall have no obligation to pay any sum in excess of the amount specified in Article 1.4 of the Contract unless authorized by amendment in accordance with Paragraphs 6.3 and 6.19 of the County Contract Terms and Conditions.**

**II. PRICING:**

Payment shall be made in accordance with the provisions of this Contract. Partial progress payments may be allowed at the discretion of the County Project Manager. Payment shall be as follows:

**A. Classification Rates:**

| <b>TETRA TECH BAS, INC.</b>  |                    |
|------------------------------|--------------------|
| <b>Classification Titles</b> | <b>Hourly Rate</b> |
| Administrative Assistant     | \$98               |
| Project Clerk                | \$86               |
| Project Data Analyst         | \$80               |
| Office Services Clerk        | \$98               |
| Project Coordinator          | \$146              |
| Senior Project Coordinator   | \$167              |
| CAD Tech I                   | \$91               |
| CAD Tech II                  | \$106              |
| CAD Tech III                 | \$126              |
| CAD Tech IV                  | \$144              |
| Designer I                   | \$162              |
| Designer II                  | \$176              |
| Designer III                 | \$195              |
| Designer IV                  | \$212              |
| Staff Engineer I             | \$123              |
| Staff Engineer II            | \$133              |
| Staff Engineer III           | \$144              |
| Project Engineer I           | \$154              |
| Project Engineer II          | \$165              |
| Project Engineer III         | \$176              |

County of Orange, OC Waste & Recycling  
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|                                       |       |
|---------------------------------------|-------|
| Senior Engineer I                     | \$186 |
| Senior Engineer II                    | \$197 |
| Senior Engineer III                   | \$207 |
| Supervising Engineer I                | \$218 |
| Supervising Engineer II               | \$229 |
| Supervising Engineer III              | \$239 |
| Division Engineer I                   | \$260 |
| Division Engineer II                  | \$271 |
| Principal Engineer                    | \$297 |
| Principal                             | \$319 |
| Senior Principal                      | \$335 |
| Project Manager                       | \$173 |
| Project Manager I                     | \$185 |
| Project Manager II                    | \$212 |
| Project Manager III                   | \$223 |
| Project Manager IV                    | \$234 |
| Project Manager V                     | \$245 |
| Senior Project Manager                | \$255 |
| Program Director                      | \$303 |
| Project Advisor*                      | TBD*  |
| Construction Supervisor I             | \$176 |
| Construction Supervisor II            | \$186 |
| Construction Supervisor III           | \$197 |
| Construction Manager I                | \$207 |
| Construction Manager II               | \$223 |
| Senior Construction Manager           | \$260 |
| Principal Construction Manager        | \$286 |
| Staff Env. Specialist/Scientist I     | \$109 |
| Staff Env. Specialist/Scientist II    | \$121 |
| Project Env. Specialist/Scientist I   | \$133 |
| Project Env. Specialist/Scientist II  | \$152 |
| Project Env. Specialist/Scientist III | \$166 |
| Senior Env. Specialist/Scientist I    | \$176 |
| Senior Env. Specialist/Scientist II   | \$185 |
| Senior Env. Specialist/Scientist III  | \$197 |
| Staff Planner/Permitter I             | \$73  |
| Staff Planner/Permitter II            | \$91  |
| Staff Planner/Permitter III           | \$98  |
| Project Planner/Permitter I           | \$113 |
| Project Planner/Permitter II          | \$126 |
| Project Planner/Permitter III         | \$136 |
| Project Planner/Permitter IV          | \$147 |

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|  |       |
|--|-------|
| Senior Planner/Permitter I                       | \$160 |
| Senior Planner/Permitter II                      | \$172 |
| Senior Planner/Permitter III                     | \$185 |
| Senior Planner/Permitter IV                      | \$204 |
| Principal Planner/Permitter                      | \$282 |
| Architect I                                      | \$133 |
| Architect II                                     | \$160 |
| Architect III                                    | \$186 |
| Architect IV                                     | \$213 |
| Staff Geologist I                                | \$123 |
| Staff Geologist II                               | \$133 |
| Staff Geologist III                              | \$144 |
| Project Geologist I                              | \$154 |
| Project Geologist II                             | \$165 |
| Project Geologist III                            | \$176 |
| Senior Geologist I                               | \$186 |
| Senior Geologist II                              | \$197 |
| Senior Geologist III                             | \$207 |
| Supervising Geologist I                          | \$218 |
| Supervising Geologist II                         | \$229 |
| Supervising Geologist III                        | \$239 |
| Principal Geotechnical Eng/Geologist             | \$250 |
| Principal Geotechnical Eng                       | \$276 |
| Soils/Asphalt/Field Technician                   | \$110 |
| Soils/Asphalt/Field Technician - Prevailing Wage | \$145 |
| Chief of Survey Parties                          | \$195 |
| 1-Man Survey Party with GPS                      | \$235 |
| 2-Man Survey Party                               | \$348 |

| <b>SUBCONTRACTOR: ADVANCE EARTH SCIENCES, INC.</b> |                    |
|--|--------------------|
| <b>Classification Titles</b>                       | <b>Hourly Rate</b> |
| Senior Principal                                   | \$248              |
| Principal Engineer/Geologist                       | \$237              |
| Project Manager                                    | \$237              |
| QA/QC Manager                                      | \$237              |
| Associate  | \$208              |
| Senior Engineer/Geologist/Hydrogeologist           | \$184              |
| Project Engineer/Geologist                         | \$165              |
| Senior Staff Engineer/Geologist                    | \$149              |
| Staff Engineer/Geologist                           | \$140              |

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|   |       |
|---|-------|
| Construction Engineering Technician - Regular (non-PW)      | \$109 |
| Construction Engineering Technician - Overtime (non-PW)     | \$138 |
| Soil/Asphalt/Field Technician - Prevailing Wage             | \$146 |
| Soil/Asphalt/Field Technician - Prevailing Wage Overtime    | \$172 |
| Soil/Asphalt/Field Technician - Prevailing Wage Double Time | \$199 |
| CADD Designer/Drafter                                       | \$115 |
| Project Administrator                                       | \$102 |
| Word Processor  | \$102 |

Note: County will not pay A-E more than the listed amount for Sub-Contractor work, regardless of any agreement between the A-E and their Sub-Contractor. Sub-Contractor rates are listed for convenience only.

Note: Construction-related work performed under A-E service contracts may meet the definition of “public work” under Labor Code § 1720 et seq. “Construction” includes work performed during the design and preconstruction phases of construction, including, but not limited to, inspection and land surveying work, and work performed during the postconstruction phases of construction, including, but not limited to, all cleanup work at the jobsite. See, Labor Code § 1720. Contracts for A-E services shall mandate that prevailing wages be paid where mandated by law.

**III. PRICE INCREASES/DECREASES:**

No price increases will be permitted during the term of this Contract. All price decreases will automatically be extended to County.

**IV. FIRM DISCOUNT AND PRICING STRUCTURE:**

A-E guarantees that prices quoted are equal to or less than prices quoted to any other local, State or Federal government entity for services of equal or lesser scope. A-E agrees that no price increases shall be passed along to County during the term of this Contract not otherwise specified and provided for within this Contract.

**V. A-E’S EXPENSE:**

A-E will be responsible for all costs related to photo copying, telephone communications and fax communications while on County sites during the performance of work and services under this Contract.

**VI. REIMBURSABLE ITEMS:**

Reimbursable items are non-salary items that are not included in the Scope of Work but necessary for completion of the work and must be authorized in advance by the County Project Manager. A-E may be entitled to reimbursement for the following, upon prior approval by County:

- 1) The actual costs of special equipment to be rented, leased or purchased by A-E for use exclusively in the performance of the Scope of Services, to the extent such rental, lease, purchase and costs have been approved in writing by the County Project Manager.
- 2) Printing expenses paid to outside contractors; to the extent such contractors and reproduction rates have been approved by the County Project Manager.
- 3) Other actual costs and/or payments specifically approved and authorized in writing by the County Project Manager and actually incurred by A-E in performance of this Contract.
- 4) Travel costs shall only be reimbursed if approved in advance in writing by County Project Manager and are subject to the following restrictions:

- a) Reimbursement of mileage for the business use of a personal vehicle during the conduct of business within the Scope of Services of this Contract shall be based on the Internal Revenue Service Standard Mileage Rate in effect at the time. Mileage between the A-E's "Home Based" office location and County location, as well as mileage within County property will not be reimbursed.
- 5) Cost of "Home Based" Xerox copies, faxes, and other supplies and materials associated with them will not be reimbursed.
- 6) Cost of cellular phones, cell phone usage plans and usage minutes, and other mobile communication devices will not be reimbursed.
- 7) All reimbursable expenses must be itemized on A-E invoice(s) and documented with receipts. Receipts for reimbursable expenses must be submitted with all A-E invoices. Invoices for reimbursable expenses without back-up receipts will not be paid. A-E is responsible for submitting reimbursable invoices in a format that is acceptable to the County. Reimbursable items shall be charged at cost. Any third-party or subcontractor services shall also be charged at cost; no mark-ups will be allowed.

#### **VII. PAYMENT TERMS:**

Invoices are to be submitted in monthly arrears, after services have been completed, to the address specified below. Payment will be net thirty (30) days after receipt of an invoice in a format acceptable to the County, as applicable. Invoices shall be verified and approved by County and subject to routine processing requirements. The responsibility for providing an acceptable invoice to County for payment rests with A-E. Incomplete or incorrect invoices are not acceptable and will be returned to the A-E for correction.

Billing shall cover services and/or goods not previously invoiced. The A-E shall reimburse the County for any monies paid to the A-E for goods or services not provided or when goods or services do not meet the Contract requirements.

Payments made by County shall not preclude the right of County from thereafter disputing any items or services involved or billed under this Contract and shall not be construed as acceptance of any part of the goods or services.

#### **VIII. INVOICING INSTRUCTIONS:**

The A-E will provide an invoice on the A-E's letterhead. Each invoice will have a unique number and will include the following information:

- A. A-E's name and address
- B. A-E's remittance address, if different from (A), above
- C. Name of County agency/department
- D. Delivery/service address
- E. Contract Number (MA-299-24011358)
- F. Service Date
- G. Description of Services and Backup Documentation as Required
- H. Total
- I. Taxpayer ID number

Invoices and support documentation shall be sent to [OCWRInvoice@ocwr.ocgov.com](mailto:OCWRInvoice@ocwr.ocgov.com) or to be forwarded to:

*County of Orange, OC Waste & Recycling*  
**TETRA TECH BAS, INC.**

*MA-299-24011358*

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OC Waste & Recycling  
Attn: Accounts Payable  
601 N. Ross St. 5<sup>th</sup> Fl.  
Santa Ana, CA 92701

A-E has the option of receiving payment directly to their bank account via an Electronic Fund Transfer (EFT) process in lieu of a check payment. Payment made via EFT will also receive Electronic Remittance Advice with the payment details via email. An email address will need to be provided to the County via an EFT Authorization Form. To request a form, please contact the DPA.



ATTACHMENT C  
STAFFING PLAN1. **A-E KEY PERSONNEL**

| Name                  | Classification/<br>Designation                | Years<br>of Exp | Licenses/ Certifications<br>(include license number)   |
|-----------------------|---|-----------------|--|
| Caleb Moore           | Principal Engineer/<br>Project Manager        | 19              | Professional Engineer, Civil: CA #66580;<br>National Council of Examiners for Eng. &<br>Survey. Cert. #44084 |
| Suji<br>Somasundaram  | Principal Engineer/<br>Lead Geotechnical Eng. | 34              | Professional Geotechnical Engineer: CA<br>#2263; Professional Civil Engineer: CA<br>#44199                   |
| Christine<br>Arbogast | VP, Solid Waste/<br>Principal (TTBAS)         | 33              | Professional Engineer, Civil: CA #42578  |
| Kris Khilnani         | President, AES/<br>Principal (AES)            | 45+             | Professional Geotechnical Engineer: CA<br>#2203; Professional Civil Engineer: CA<br>#39661                   |
| Greg Saul             | Division Engineer/<br>Civil Engineering       | 22              | Professional Engineer, Civil: CA #60600;<br>Qualified SWPPP Developer/Practitioner<br>#01019                 |
| Vy Yannizzi           | Project Engineer/<br>Civil Engineering        | 9               | Professional Engineer, Civil: CA #83234  |
| Julie Hauenstein      | Project Engineer/<br>Civil Engineering        | 13              | Professional Engineer, Civil: CA #77358  |
| Michael Raub          | Principal Geologist/<br>Landslide Mitigation  | 34              | Professional Geologist: CA #4415; Certified<br>Engineering Geologist: CA #1376                               |
| Greg Raymer           | Senior Geologist/<br>Field Exploration        | 28              | Professional Geologist: CA #6332 Certified<br>Engineering Geologist: CA #1997                                |
| Grant Miller          | Principal Geologist/<br>Geology-Hydrogeology  | 34              | Professional Geologist: CA #4188 Certified<br>Engineering Geologist: CA #1397                                |

A-E understands that the personnel represented as assigned to the Contract must remain working on the Contract throughout the duration of the Contract unless otherwise requested or approved by the County. Substitution or addition of A-E's key personnel in any given category or classification shall be allowed only with prior written approval of the County's Project Manager. **Note: The written approval of substituted A-E Key Personnel is for departmental use only and shall not be used for auditing purposes outside OC Waste & Recycling or other County department.**

A-E may reserve the right to involve other A-E personnel, as their services are required. The specific individuals will be assigned based on the need and timing of the service/classification required. Assignment of additional key personnel shall be subject to County Project Manager written approval. **Note: The written approval of additional A-E Key Personnel is for departmental use only and shall not be used for auditing purposes outside OC Waste & Recycling or other County Department.** County reserves the right to have any A-E personnel removed from providing services to County under this Contract. County is not required to provide any reason for the request for removal of any A-E personnel.

**2. SUBCONTRACTOR(S) (IF APPLICABLE)**

Listed below are subcontractor(s) anticipated by A-E to perform services specified in Attachment A. Substitution or addition of A-E's subcontractors in any given project function shall be allowed only with prior written approval of the COUNTY Project Manager.

| <b>Company Name &amp; Address</b>                                   | <b>Contact Name and Telephone Number</b> | <b>Project Function</b>                          |
|---|--|--|
| Advanced Earth Sciences<br>9307 Research Drive,<br>Irvine, CA 92618 | Kris Khilnani<br>949.379.2450            | Geology and Geotechnical<br>Engineering Services |