

**C14** Approve an agreement with David A. Lawrence, Inc., dba Lawrence & Associates, for specialized consulting and testing services for the "Buckeye Landfill Phase III Ozone Injection Pilot Study" Contract No. 207586.

## STAFF REPORT

**BOARD MEETING DATE:** May 13, 2025

**CATEGORY:** Consent Calendar 14

**SUBJECT:** Approve an agreement with David A. Lawrence, Inc., dba Lawrence & Associates, for specialized consulting and testing services for the “Buckeye Landfill Phase III Ozone Injection Pilot Study” Contract No. 207586.

**DEPARTMENT:** Public Works

**SUPERVISORIAL DISTRICT #:** District 1

**DEPARTMENT CONTACT:** Shawn Ankeny, Principal Engineer, (530) 225-5661

**STAFF REPORT APPROVED BY:** Troy Bartolomei, Public Works Director

<b><u>Vote Required?</u></b>	<b><u>General Fund Impact?</u></b>
Simple Majority Vote	No General Fund Impact

### **RECOMMENDATION**

For the “Buckeye Landfill Phase III Ozone Injection Pilot Study,” Contract No. 207586, approve an agreement with David A. Lawrence, Inc., dba Lawrence & Associates, for specialized consulting and testing services in an amount not to exceed \$285,000 for a period of three years, effective date of signing.

### **DISCUSSION**

The Buckeye Landfill is subject to Waste Discharge Requirement Order No. R5-2017-0018 (WDR), issued by the Central Valley Regional Water Quality Control Board (RWQCB). In 2017, monitoring indicated the presence of groundwater contamination in exceedance of the WDR limits. A corrective action plan was submitted to the RWQCB. Phase 3 of the corrective action plan is proposed: installation of four new ozone injection sites, an additional monitoring well, monitoring for one year, and a final report.

Lawrence & Associates completed Phases 1 and 2. Based on their understanding of the work; experience with similar kinds of work; and history with the project, they were asked to submit a proposal for Phase 3. The attached agreement is based on their proposal. It has been negotiated and is recommended for approval.

### **ALTERNATIVES**

The Board may decline to approve the agreement at this time. If remediation is not completed the RWQCB could impose fines or pursue other methods of enforcement to solve the problem.

### **OTHER AGENCY INVOLVEMENT**

The RWQCB reviewed the proposed project. Risk Management has approved the agreement. County Counsel has approved the agreement as to form. The recommendation has been reviewed by the County Administrative Office.

### **FISCAL IMPACT**

The total compensation under the agreement shall not exceed \$285,000. Sufficient funds to administer this contract are included in the Fiscal Year 2024-25 Solid Waste Budget and will be included in future budget requests.

### **ATTACHMENTS:**

1: Lawrence & Associates Agreement

**PERSONAL SERVICES AGREEMENT  
BETWEEN THE COUNTY OF SHASTA AND  
DAVID A. LAWRENCE, INC., DBA LAWRENCE & ASSOCIATES**

This agreement is entered into between the County of Shasta, through its Department of Public Works, a political subdivision of the State of California (“County”) and David A. Lawrence, Inc., dba Lawrence & Associates, (“Consultant”) (collectively, the “Parties” and individually a “Party”) for the purpose of providing specialized consulting and testing services related to Buckeye Landfill Phase III Ozone Injection Pilot Study.

**Section 1. RESPONSIBILITIES OF CONSULTANT**

Pursuant to the terms and conditions of this agreement, Consultant shall:

- A. Install four additional ozone-spargers (designated as OZ-7.7, OZ-9.3, OZ-9.7, OZ-10, see Figure 2) and one additional monitoring well (designated as monitoring well B-8, see Figure 3).
  - 1. The proposed well shall be surveyed, staked in the field, and located on a map by a licensed professional surveyor to facilitate right-of-way (ROW) negotiations with the Bureau of Land Management (BLM).
  - 2. Prior to work, proposed sparger points and trench location shall be marked in the field to facilitate USA Services.
  - 3. Coordinate with County staff with the excavation and backfill for the ozone distribution tubing trench.
  - 4. Install four new proposed sparger points. The additional sparger points will be connected to an ozone generator and ozone injected into the subsurface for a one-year period.
  - 5. Inspect and test existing sparger points to ensure they are working correctly.

**During** operation, Consultant shall monitor the ozone injection remediation system on a weekly basis. They shall record the system run time, oxygen and ozone production times, functionality of booster pumps (air and ozone) and solenoid valves and monitor the system for ozone leaks and needed equipment repairs. Consultant shall complete any repairs to the system if needed.

- B. Monitoring wells B-1, B-2, B-4, B-8 and sparger point TZ-1 will be monitored on a weekly basis for depth to groundwater, temperature, electrical conductivity, pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), and turbidity (see Table 1). Groundwater samples will be collected from the five wells listed in Table 1 at a frequency of once pre-test, monthly during active ozone injection and quarterly for one year post-test (17 sampling events total). A sample blank consisting of deionized water also will be analyzed with each set of samples.

1. The pilot test laboratory analyses will use the test methods described in Table 2 and Table 3.

**Table 1 - Phase III Pilot Study Groundwater Monitoring Program**

Well Number	Monitoring Objective	Constituent and Frequency
B-1	Background	<u>Pre-test, weekly, post-test quarterly</u> : Groundwater elevation (GWE), oxidation-reduction potential (ORP), electrical conductivity (EC), dissolved oxygen (DO), pH, temperature, and turbidity.
TZ-1* <sup>+</sup>	Treatment Zone	
B-2, B-4 <sup>+</sup> , B-8	Compliance	<u>Pre-test, monthly, post-test quarterly</u> : Volatile organic compounds (VOC), including TBA and 1,4-dioxane; methane, dissolved ferrous iron, chromium VI.

\* Unused sparge point utilized for groundwater monitoring during third phase of pilot test. + = well sampled pre-and post-test for PFAS constituents.

**Table 2 - Test Methods and Quantification Limits**

Constituent	Method	Practical Quantitation Limit (µg/L)
VOC	EPA 8020 or 8260B	0.5
1,4-Dioxane	EPA 8270C	1.0
Methane	Modified EPA 602	0.1
Dissolved Ferrous Iron (Fe II)	EPA 200, 6020 or SM3000	100
Hexavalent Chromium (CR <sup>VI</sup> )	EPA 7199	1
PFAs <sup>+</sup>	Modified EPA 537	1.8 to 4.5 (ng/L)

+ = Wells TZ-1 and B-4

**Table 3 – Ozone System Monitoring**

Parameters	Units	Type of Sample
Ozone Added	grams per day	Calculated

- C. Consultant will prepare and submit to County, a well and sparge point installation report for monitoring well B-8 and ozone-injection points OZ-7.7, OZ-9.3, OZ-9.7, OZ-10, and quarterly monitoring reports to document data collected during each quarterly monitoring period, with the final quarterly report containing an analysis of all data collected, conclusions and recommendations.
- D. As required by Government Code Section 7550, each document or report prepared by Consultant for or under the direction of County pursuant to this agreement shall contain the numbers and dollar amount of the agreement and all subcontracts under the agreement relating to the preparation of the document or written report. If multiple documents or written reports are the subject of the agreement or subcontracts, the disclosure section may also contain a statement indicating that the total agreement amount represents compensation for multiple documents or written reports. Consultant shall label the bottom of the last page of the document or report as follows: department name, agreement number, and dollar amount. If more than

one document or report is produced under this agreement, Consultant shall add: “This [document or report] is one of [number] produced under this agreement.”

## **Section 2. RESPONSIBILITIES OF COUNTY**

- A. County shall provide Consultant reasonable access to County property to permit Consultant to complete the services described in this agreement (see Figure 1).
- B. County shall provide available technical data in County’s possession including, but not limited to, monitoring data, drawings, maps, studies, surveys, reports and other information related to the work being performed as requested by Consultant.
- C. Pursuant to the terms and conditions of this agreement, County shall compensate Consultant as prescribed in Sections 3 and 4 of this agreement and shall monitor the outcomes achieved by Consultant.
- D. To facilitate Consultant Task A.3, County personnel and equipment will be used to open and backfill the trench in which the ozone distribution tubing will be placed to connect the new ozone injection points to the ozone-injection system.
- E. County shall acquire the needed right-of-way from the BLM after Consultant stake the proposed monitoring well MW-8 in the field. No drilling shall be started until the ROW has been acquired and a notice to proceed has been sent to the Consultant by the County.

## **Section 3. COMPENSATION**

- A. Consultant shall be paid for the services described in this agreement in accordance with the Consultant’s Schedule of Fees, contained in Attachment A, with a not to exceed amount of \$285,000.
- B. During the term of this contract, the Public Works Director may approve, via amendment, changes in Attachment A, including retroactive, to reflect changes in the Fee Schedule provided that the increase in any single rate shall not exceed three percent per calendar year. In no event shall such changes increase the maximum amount payable under this agreement. All such amendments shall be in substantially the same format as the County’s standard format amendment contained in Administrative Policy 6-101, *Shasta County Contracts Manual*.
- C. Consultant shall be paid via electronic invoice payment; automated clearing house (“ACH”), County credit card, or Commerce Bank virtual card. ACH payments require submission of the completed Auditor-Controller ACH/Direct Deposit authorization form within five days of execution of this agreement.
- D. Consultant’s violation or breach of agreement terms may result in fiscal penalties, withholding of compensation, or termination of agreement.

**Section 4. BILLING AND PAYMENT**

- A. Consultant shall submit to the Department of Public Works a monthly invoice of services rendered. County shall make payment within 30 days of receipt of Consultant's correct and approved statement or invoice.
- B. Should County, or the state or federal government, disallow any amount claimed by Consultant, Consultant shall reimburse County, or the state or federal government, as directed by County, or the state or federal government, for such disallowed cost.

**Section 5. TERM OF AGREEMENT**

- A. The term of this agreement shall be for three years beginning as of the last date it has been signed by both Parties.
- B. Notwithstanding the foregoing, County shall not be obligated for payments hereunder for any future County fiscal year unless or until County's Board of Supervisors appropriates funds for this agreement in County's budget for that County fiscal year. In the event that funds are not appropriated for this agreement, then this agreement shall end as of June 30 of the last County fiscal year for which funds for this agreement were appropriated. For the purposes of this agreement, the County fiscal year commences on July 1 and ends on June 30 of the following year. County shall notify Consultant in writing of such non-appropriation at the earliest possible date.
- C. County shall notify Consultant in writing of such non-appropriation at the earliest possible date.

**Section 6. TERMINATION OF AGREEMENT**

- A. If Consultant materially fails to perform Consultant's responsibilities under this agreement to the satisfaction of County, or if Consultant fails to fulfill in a timely and professional manner Consultant's responsibilities under this agreement, or if Consultant violates any of the terms or provisions of this agreement, then County shall have the right to terminate this agreement for cause effective immediately upon the County giving written notice thereof to Consultant. If termination for cause is given by County to Consultant and it is later determined that Consultant was not in default or the default was excusable, then the notice of termination shall be deemed to have been given without cause pursuant to paragraph B of this Section.
- B. County may terminate this agreement without cause on 30 days written notice to Consultant.
- C. County may terminate this agreement immediately upon oral notice should funding cease or be materially decreased during the term of this agreement.

- D. County's right to terminate this agreement may be exercised by the Shasta County Board of Supervisors, the Shasta County Executive Officer or their designee or the County's Public Works Director.
- E. Should this agreement be terminated, Consultant shall promptly provide to County any and all finished and unfinished reports, data, studies, photographs, charts, and other documents prepared by Consultant pursuant to this agreement in a format acceptable to County.
- F. If this agreement is terminated, Consultant shall only be paid for services satisfactorily completed and provided prior to the effective date of termination.

**Section 7. ENTIRE AGREEMENT; AMENDMENTS; HEADINGS; EXHIBITS/ APPENDICES**

- A. This agreement supersedes all previous agreements relating to the subject of this agreement and constitutes the entire understanding of the Parties hereto. Consultant shall be entitled to no other benefits other than those specified herein. Consultant specifically acknowledges that in entering into and executing this agreement, Consultant relies solely upon the provisions contained in this agreement and no others.
- B. No changes, amendments, or alterations to this agreement shall be effective unless in writing and signed by both Parties. However, minor amendments, including retroactive, that do not result in a substantial or functional change to the original intent of this agreement and do not cause an increase to the maximum amount payable under this agreement may be agreed to in writing between Consultant and Public Works Director, provided that the amendment is in substantially the same format as the County's standard format amendment contained in the Shasta County Contracts Manual (Administrative Policy 6-101).
- C. The headings that appear in this agreement are for reference purposes only and shall not affect the meaning or construction of this agreement.
- D. If any ambiguity, inconsistency, or conflict exists or arises between the provisions of this agreement and the provisions of any of this agreement's exhibits or appendices, the provisions of this agreement shall govern.

**Section 8. NONASSIGNMENT OF AGREEMENT; NON-WAIVER**

Inasmuch as this agreement is intended to secure the specialized services of Consultant, Consultant may not assign, transfer, delegate, or sublet any interest herein without the prior written consent of County. The waiver by County of any breach of any requirement of this agreement shall not be deemed to be a waiver of any other breach.

## **Section 9. EMPLOYMENT STATUS OF CONSULTANT**

Consultant shall, during the entire term of this agreement, be construed to be an independent contractor, and nothing in this agreement is intended nor shall be construed to create an employer-employee relationship, a joint venture relationship, or to allow County to exercise discretion or control over the professional manner in which Consultant performs the work or services that are the subject matter of this agreement; provided, however, that the work or services to be provided by Consultant shall be provided in a manner consistent with the professional standards applicable to such work or services. The sole interest of County is to ensure that the work or services shall be rendered and performed in a competent, efficient, and satisfactory manner. Consultant shall be fully responsible for payment of all taxes due to the State of California or the federal government that would be withheld from compensation if Consultant were a County employee. County shall not be liable for deductions for any amount for any purpose from Consultant's compensation. Consultant shall not be eligible for coverage under County's workers' compensation insurance plan nor shall Consultant be eligible for any other County benefit. Consultant must issue W-2 and 941 Forms for income and employment tax purposes, for all of Consultant's assigned personnel under the terms and conditions of this agreement.

## **Section 10. INDEMNIFICATION**

- A. To the fullest extent permitted by law, Consultant shall indemnify and hold harmless County, its elected officials, officers, employees, agents, and volunteers against all claims, suits, actions, costs, expenses (including, but not limited to, reasonable attorney's fees of County Counsel and counsel retained by County, expert fees, litigation costs, and investigation costs), damages, judgments, or decrees arising from the negligent performance of work or the provision of services undertaken pursuant to this agreement by Consultant, or by any of Consultant's subcontractors, any person employed under Consultant, or under any subcontractor, or in any capacity, except when the injury or loss is caused by the sole negligence or intentional wrongdoing of County. Consultant shall also, at Consultant's own expense, defend the County, its elected officials, officers, employees, agents, and volunteers, against any claim, suit, action or proceeding brought against County, its elected officials, officers, employees, agents, and volunteers, arising from the work or the provision of services undertaken pursuant to this agreement by Consultant, or any of Consultant's subcontractors, any person employed under Consultant, or under any Subcontractor, or in any capacity. Consultant shall also defend and indemnify County for any adverse determination made by the Internal Revenue Service or the State Franchise Tax Board and/or any other taxing or regulatory agency and shall defend, indemnify, and hold harmless County with respect to Consultant's "independent contractor" status that would establish a liability on County for failure to make social security deductions or contributions or income tax withholding payments, or any other legally mandated payment. The provisions of this paragraph are intended to be interpreted as broadly as permitted by applicable law. This provision shall survive the termination, expiration, or cancellation of this agreement.



- B. For professional services provided under this agreement [or contract], Consultant shall indemnify, defend, and hold harmless County, its elected officials, officers, employees, agents, and volunteers from and against any and all claims, demands, actions, losses, liabilities, damage, and costs, including reasonable attorneys' fees, arising out of or resulting from the negligent performance of the professional services provided under this agreement. Furthermore, the duty of Consultant includes the duty of defense, inclusive of that set forth in the California Civil Code Section 2778, and is subject to any limits provided for in Civil Code Section 2782.8. The words "professional services" shall be interpreted as defined in Civil Code Section 2782.8, as it may be amended from time to time. The provisions of this paragraph are intended to be interpreted as broadly as permitted by applicable law.
- C. These indemnification provisions are independent of, and shall not in any way be limited by, Consultant's insurance coverage or lack of coverage, or by the insurance requirements of this agreement. County acknowledgement or approval of Consultant's evidence of insurance coverage required by this agreement does not in any way relieve Consultant from its obligations under this Section.

## **Section 11. INSURANCE REQUIREMENTS**

Without limiting Consultant's duties of defense and indemnification:

- A. Consultant and any subcontractor shall carry Commercial General Liability Insurance, and other coverage necessary to protect County and the public, with limits of \$2 million per occurrence or claim. Such coverage shall:
  - 1. Be equivalent to the current Insurance Services Office (ISO) form CG 00 01, assuring coverage for products and completed operations, property damage, bodily injury, and personal and advertising injury.
  - 2. Include an endorsement, or an amendment to the policy of insurance, naming Shasta County, its elected officials, officers, employees, agents, and volunteers as additional insureds; the additional insureds coverage shall be equal to the current ISO forms CG 20 10 for on-going operations, and CG 20 37 for completed operations.
  - 3. Apply separately to this project and location(s); in the event of a general aggregate limit, the general aggregate limit shall be twice the required per occurrence limit.
  - 4. Contain, or be endorsed to contain, a "separation of insureds" clause which shall read, or have the same effect as the following:  
  
"Separation of Insureds.

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
  - b. Separately to each suit insured against whom a claim is made or suit is brought.”
- B. Consultant and any subcontractor shall carry Automobile Liability Insurance covering any auto, unless Consultant has no owned autos then covering at minimum hired and non-owned autos, with limits of \$1 million per occurrence or claim. Such coverage shall:
1. Include, or be endorsed to contain, Additional Insured coverage in favor of Shasta County, its elected officials, officers, employees, agents, and volunteers.
  2. Include, or be endorsed to contain, coverage for hazardous waste transportation, when appropriate to the work being performed.
- C. Consultant and any subcontractor shall carry statutorily required Workers' Compensation Insurance, and Employer's Liability Insurance with limits of \$1 million per occurrence or claim, to cover Consultant, subcontractor, Consultant's partner(s), subcontractor's partner(s), Consultant's employees, and subcontractor's(s') employees, covering the full liability for compensation for injury to those employed by Consultant or subcontractor. Consultant hereby certifies that Consultant is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to insure against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of the Labor Code, and Consultant shall comply with such provisions before commencing the performance of the work or the provision of services pursuant to this agreement.
- D. Consultant shall carry Professional Liability (Errors and Omissions) Insurance, applicable to the Consultant's profession and the services/work being performed, with limits of not less than \$2 million per occurrence or claim, \$2 million aggregate.
- E. Consultant shall require its subcontractors, if any, to carry and maintain coverage and evidence that equals or exceeds the coverage requirements imposed upon Consultant by this agreement.
- F. Consultant shall carry Pollution Liability Insurance applicable to the Consultant's profession and the services/work being performed, with limits of not less than \$2 million per occurrence or claim, \$2 million aggregate.
- G. With regard to all insurance coverage required by this agreement:

1. Any deductible or self-insured retention exceeding \$25,000 for Consultant or subcontractor shall be disclosed to and be subject to approval by the Shasta County Risk Manager prior to the effective date of this agreement; policy shall provide, or be endorsed to provide, that any self-insured retention or deductible may be satisfied by either the named insured or County, and must also provide that defense costs satisfy the self-insured retention or deductible. Any and all deductibles and self-insured retentions shall be the sole responsibility of Consultant or subcontractor who procured such coverage, and shall not apply to the Indemnified Additional Insured Parties. County may deduct from any amounts otherwise due Consultant to fund the self-insured retention or deductible.
2. If any insurance coverage required hereunder is provided on a “claims made” rather than “occurrence” form, Consultant or subcontractor shall maintain such coverage with an effective date earlier or equal to the effective date of this agreement and continue coverage for a period of three years after the expiration of this agreement and any extensions thereof. In lieu of maintaining post-agreement expiration coverage as specified above, Consultant or subcontractor may satisfy this provision by purchasing tail coverage for the claims-made policy. Such tail coverage shall, at a minimum, provide coverage for claims received and reported three years after the expiration date of this agreement.
3. In the event coverage is reduced or canceled, or otherwise materially changed, a notice of said reduction or cancellation or change shall be provided to County within 24 hours.
4. Consultant hereby grants to Shasta County, its elected officials, officers, employees, agents, and volunteers, a waiver of any right to subrogation or recovery which any insurer of said Consultant may acquire against County by virtue of the payment of any loss under such coverage, and agrees to obtain any endorsement that may be necessary to affect this waiver; this provision applies regardless of whether or not County has received such a waiver or endorsement.
5. Any available insurance proceeds in excess of the specified minimum limits and insurance coverage pursuant to the terms of this agreement shall be applicable to County.
6. Before the effective date of this agreement, Consultant shall provide County with certificates of insurance, and all amendatory endorsements or policy amendments, as evidence of meeting insurance coverage required of this agreement; for purposes of verification of Consultant meeting insurance requirements of this agreement, County reserves the right to require any policies, declarations, endorsements, and other documentation.
7. Coverage required herein shall be in effect at all times during the term of this agreement, and may be provided by programs of self-insurance when

supported by adequate evidence meeting appropriate self-insurance and regulatory compliance. Insurance is to be placed with insurers authorized to transact business in California, with a current A.M. Best's rating of not less than A:VII, unless otherwise authorized by County.

8. In the event any insurance coverage expires at any time during the term of this agreement, Consultant shall provide County, at least 20 days prior to said expiration date, a new endorsement or policy amendment evidencing insurance coverage as provided for herein for not less than the remainder of the term of this agreement or for a period of not less than one year. In the event Consultant fails to keep in effect at all times insurance coverage as herein provided and a renewal endorsement or policy amendment is not provided within 10 days of the expiration of the endorsement or policy amendment in effect at inception of this agreement, County may, in addition to any other remedies it may have, terminate this agreement upon the occurrence of such event.
9. For any claims related to this agreement, Consultant's coverage shall be primary and non-contributory. Any coverage maintained by Shasta County, its elected officials, officers, employees, agents, and volunteers, shall be excess of the Consultant's coverage and shall not contribute with it.
10. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to Shasta County, its elected officials, officers, employees, agents, or volunteers.

**Section 12. NOTICE OF CLAIM; APPLICABLE LAW; VENUE**

- A. If any claim for damages is filed with Consultant or if any lawsuit is instituted concerning Consultant's performance under this agreement and that in any way, directly or indirectly, contingently or otherwise, affects or might reasonably affect County, Consultant shall give prompt and timely notice thereof to County. Notice shall be prompt and timely if given within 30 days following the date of receipt of a claim or 10 days following the date of service of process of a lawsuit. This provision shall survive the termination, expiration, or cancellation of this agreement.
- B. Any dispute between the Parties, and the interpretation of this agreement, shall be governed by the laws of the State of California. Any litigation shall be venued in Shasta County.

**Section 13. COMPLIANCE WITH LAWS; NON-DISCRIMINATION**

- A. Consultant shall observe and comply with all applicable present and future federal laws, state laws, local laws, codes, rules, regulations, and/or orders that relate to the work or services to be provided pursuant to this agreement.

- B. Consultant shall not unlawfully discriminate in employment practices or in the delivery of services on the basis of race, color, creed, religion, national origin, sex, age, marital status, sexual orientation, medical condition (including cancer, HIV, and AIDS) physical or mental disability, use of family care leave under either the Family & Medical Leave Act or the California Family Rights Act, or on the basis of any other status or conduct protected by law.
- C. Consultant represents that Consultant is in compliance with and agrees that Consultant shall continue to comply with the Americans with Disabilities Act of 1990 (42 U.S.C. Sections 12101, *et seq.*), the Fair Employment and Housing Act (Government Code Sections 12900, *et seq.*), and regulations and guidelines issued pursuant thereto. Furthermore, where applicable, Consultant represents and warrants all websites created for County, or used by Consultant to provide services pursuant to this agreement shall comply with the Americans with Disabilities Act of 1990 and shall specifically conform to the Web Content Accessibility Guidelines found at [www.w3.org.7.](http://www.w3.org.7.), and comply with Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d), Subpart B, 1194.22.
- D. No funds or compensation received by Consultant under this agreement shall be used by Consultant for sectarian worship, instruction, or proselytization in a manner prohibited by law.
- E. In addition to any other provisions of this agreement, Consultant shall be solely responsible for any and all damages caused, and/or penalties levied, as the result of Consultant's noncompliance with the provisions of this Section.
- F. Prevailing Wage Rates, Labor Code, and DIR Compliance: Certain work to be performed under this contract may be considered "public works" subject to prevailing wage, apprenticeship and other labor requirements of Labor Code Division 2, Part 7, Chapter 1, Section 1720 *et seq.* Such public works may include work performed during the design, site assessment, feasibility study, and other preconstruction phases of construction including, but not limited to, inspection and land surveying work, regardless of whether any further construction work is conducted. Consultant is solely responsible for determining whether any work or portion thereof is subject to said requirements, and for complying with all such requirements that apply. All such public works projects are subject to compliance monitoring by the California Department of Industrial Relations (DIR). To the extent applicable, Consultant is responsible for posting job site notices as prescribed by regulation pursuant to Labor Code Section 1771.4(a)(2). Consultant acknowledges that it is aware of and understands state and federal public works, prevailing wage, and related requirements and to the extent applicable, shall comply with these requirements, including but not limited to compliance Labor Code Sections 1771 (payment of prevailing wage), 1771.1 (registration with DIR) and 1771.4 (submission of certified payrolls to Labor Commissioner).

#### **Section 14. ACCESS TO RECORDS; RECORDS RETENTION**

- A. County, federal, and state officials shall have access to any books, documents, papers, and records of Consultant that are directly pertinent to the subject matter of this agreement for the purpose of auditing or examining the activities of Consultant or County. Except where longer retention is required by federal or state law, Consultant shall maintain all records for five years after County makes final payment hereunder. This provision shall survive the termination, expiration, or cancellation of this agreement.
- B. Consultant shall maintain appropriate records to ensure a proper accounting of all funds and expenditures pertaining to the work performed or the services provided pursuant to this agreement. Consultant shall maintain records providing information that account for all funds and expenses related to the provision of services provided pursuant to this agreement. Access to these records shall be provided to County during working days, 8:00 a.m. to 5:00 p.m. and at other times upon reasonable notice by County, and upon request of state and federal agencies charged with the administration of programs related to the work or services to be provided pursuant to this agreement.
- C. Consultant agrees to accept responsibility for receiving, replying to, and/or complying with any audit exception by appropriate federal, state, or County audit directly related to the provisions of this agreement. Consultant agrees to repay County the full amount of payment received for duplicate billings, erroneous billings, audit exceptions, or false or deceptive claims. Consultant agrees that County may withhold any money due and recover through any appropriate method any money erroneously paid under this agreement if evidence exists of less than full compliance with this agreement including, but not limited to, exercising a right of set-off against any compensation payable to Consultant.

#### **Section 15. COMPLIANCE WITH CHILD, FAMILY, AND SPOUSAL SUPPORT REPORTING OBLIGATIONS**

Consultant's failure to comply with state and federal child, family, and spousal support reporting requirements regarding Consultant's employees or failure to implement lawfully served wage and earnings assignment orders or notices of assignment relating to child, family, and spousal support obligations shall constitute a default under this agreement. Consultant's failure to cure such default within 90 days of notice by County shall be grounds for termination of this agreement.

#### **Section 16. LICENSES AND PERMITS**

Consultant, and Consultant's officers, employees, and agents performing the work or services required by this agreement, shall possess and maintain all necessary licenses, permits, certificates, and credentials required by the laws of the United States, the State of California, the County of Shasta, and all other appropriate governmental agencies, including any certification and credentials required by County. Failure to maintain the

licenses, permits, certificates, and credentials shall be deemed a breach of this agreement and constitutes grounds for the termination of this agreement by County.

**Section 17. PERFORMANCE STANDARDS**

Consultant shall perform the work or services required by this agreement in accordance with the industry and/or professional standards applicable to Consultant's work or services.

**Section 18. CONFLICTS OF INTEREST**

Consultant and Consultant's officers and employees shall not have a financial interest, or acquire any financial interest, direct or indirect, in any business, property, or source of income that could be financially affected by or otherwise conflict in any manner or degree with the performance of the work or services required under this agreement.

**Section 19. NOTICES**

- A. Except as provided in Section 6.C. of this agreement (oral notice of termination due to insufficient funding), any notices required or permitted pursuant to the terms and provisions of this agreement shall be given to the appropriate Party at the address specified below or at such other address as the Party shall specify in writing. Such notice shall be deemed given: (1) Upon personal delivery; or (2) if sent by first class mail, postage prepaid, two days after the date of mailing.

If to County: Shasta County Department of Public Works  
1855 Placer Street  
Redding, CA 96001  
530-225-5661; Fax 530-225-5667

If to Consultant: David L. Kirk  
Lawrence & Associates  
3590 Iron Court  
Shasta Lake, CA 96019  
530-275-4800; Fax 530-275-7970

- B. Any oral notice authorized by this agreement shall be given to the persons specified in Section 19.A. and shall be deemed to be effective immediately.
- C. Unless otherwise stated in this agreement, any written or oral notices on behalf of the County as provided for in this agreement may be executed and/or exercised by the County Executive Officer or their designee.

**Section 20. AGREEMENT PREPARATION**

It is agreed and understood by the Parties that this agreement has been arrived at through negotiation and that neither Party is to be deemed the Party which created any uncertainty in this agreement within the meaning of Section 1654 of the Civil Code.

**Section 21. COMPLIANCE WITH POLITICAL REFORM ACT**

Consultant shall comply with the California Political Reform Act (Government Code, Sections 81000, *et seq.*), with all regulations adopted by the Fair Political Practices Commission pursuant thereto, and with the County's Conflict of Interest Code, with regard to any obligation on the part of Consultant to disclose financial interests and to recuse from influencing any County decision which may affect Consultant's financial interests. If required by the County's Conflict of Interest Code, Consultant shall comply with the ethics training requirements of Government Code Sections 53234, *et seq.*

**Section 22. PROPERTY TAXES**

Consultant represents and warrants that Consultant, on the date of execution of this agreement: (1) Has paid all property taxes for which Consultant is obligated to pay, or (2) is current in payments due under any approved property tax payment arrangement. Consultant shall make timely payment of all property taxes at all times during the term of this agreement.

**Section 23. SEVERABILITY**

If any portion of this agreement or application thereof to any person or circumstance is declared invalid by a court of competent jurisdiction or if it is found in contravention of any federal or state statute or regulation or County ordinance, the remaining provisions of this agreement, or the application thereof, shall not be invalidated thereby and shall remain in full force and effect to the extent that the provisions of this agreement are severable.

**Section 24. COUNTY'S RIGHT OF SETOFF**

To the fullest extent permitted by law, County shall have the right but not the obligation, to setoff, in whole or in part, against any compensation owed to Consultant or any of its subsidiaries under any contract with the County, any amount of any Federal or State audit liability owed by or claimed or asserted against the County or any amounts owed to County by Consultant or its subsidiaries.

**Section 25. CONFIDENTIALITY**

During the term of this agreement, both Parties may have access to information that is confidential or proprietary in nature. Both Parties agree to preserve the confidentiality of and to not disclose any such information to any third party without the express written consent of the other Party or as required by law. This provision shall survive the termination, expiration, or cancellation of this agreement.

**Section 26. SCOPE AND OWNERSHIP OF WORK**

All research data, reports, and every other work product of any kind or character arising from or relating to this agreement shall become the property of the County and be delivered to the County upon completion of its authorized use pursuant to this agreement in a format



acceptable to County, with the exception of informal communications such as emails and staff notes, whether those communications or notes are internal to Consultant's staff or between Consultant and any subconsultants. County may use such work products of the Consultant for any purpose whatsoever. County acknowledges that its alteration of documents without consent of Consultant, or use of the documents for any purpose unrelated to this agreement's purposes, is at the County's own risk and without liability to Consultant. All works produced under this agreement shall be deemed works produced by a contractor for hire, and all copyright with respect thereto shall vest in the County without payment of royalty or any other additional compensation. Notwithstanding anything to the contrary contained in this agreement, Consultant shall retain all of Consultant's rights in Consultant's own proprietary information, including, without limitation, Consultant's methodologies and methods of analysis, ideas, concepts, expressions, know how, methods, techniques, skills, knowledge, and experience possessed by Consultant prior to, or acquired by Consultant during the performance of this agreement and Consultant shall not be restricted in any way with respect thereto.

#### **Section 27. USE OF COUNTY PROPERTY**

Consultant shall not use County premises, property (including equipment, instruments, and supplies), or personnel for any purpose other than in the performance of Consultant's obligations under this agreement.

#### **Section 28. COUNTERPARTS/ELECTRONIC, FACSIMILE, AND PDF SIGNATURES**

This agreement may be executed in any number of counterparts, each of which will be an original, but all of which together will constitute one instrument. Each Party of this agreement agrees to the use of electronic signatures, such as digital signatures that meet the requirements of the California Uniform Electronic Transactions Act ("CUETA") Cal. Civ. Code §§ 1633.1 to 1633.17), for executing this agreement. The Parties further agree that the electronic signatures of the Parties included in this agreement are intended to authenticate this writing and to have the same force and effect as manual signatures. Electronic signature means an electronic sound, symbol, or process attached to or logically associated with an electronic record and executed or adopted by a person with the intent to sign the electronic record pursuant to the CUETA as amended from time to time. The CUETA authorizes use of an electronic signature for transactions and contracts among Parties in California, including a government agency. Digital signature means an electronic identifier, created by computer, intended by the party using it to have the same force and effect as the use of a manual signature, and shall be reasonably relied upon by the Parties. For purposes of this Section, a digital signature is a type of "electronic signature" as defined in subdivision (h) of Section 1633.2 of the Civil Code. Facsimile signatures or signatures transmitted via pdf document shall be treated as originals for all purposes.

***SIGNATURE PAGE FOLLOWS***

NO WITHHOLDING

**IN WITNESS WHEREOF**, County and Consultant have executed this agreement on the dates set forth below. By their signatures below, each signatory represents that they have the authority to execute this agreement and to bind the Party on whose behalf their execution is made.

**COUNTY OF SHASTA**

Date: \_\_\_\_\_

\_\_\_\_\_  
KEVIN W. CRYE, CHAIR  
Board of Supervisors  
County of Shasta  
State of California

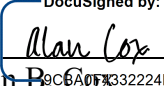
ATTEST:

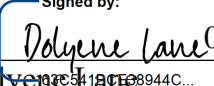
DAVID J. RICKERT  
Clerk of the Board of Supervisors

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

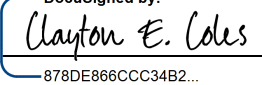
JOSEPH LARMOUR  
County Counsel

RISK MANAGEMENT APPROVAL

By:  04/15/2025 | 10:13 AM PDT  
\_\_\_\_\_  
Alan B. Cox  
Senior Deputy County Counsel

By:  04/15/2025 | 8:37 AM PDT  
\_\_\_\_\_  
Dolyene Lane  
Risk Manager

**CONSULTANT**  
**DAVID A. LAWRENCE, INC. dba**  
**LAWRENCE & ASSOCIATES**

By:  \_\_\_\_\_  
878DE866CCC34B2...  
Print Name: Clayton E. Coles  
Title: President  
Date: 04/14/2025 | 1:58 PM PDT  
Tax I.D.#: 94-2661102

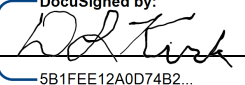
By:  \_\_\_\_\_  
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Print Name: David L. Kirk  
Title: Secretary  
Date: 04/15/2025 | 9:32 AM MDT

FIGURE 1

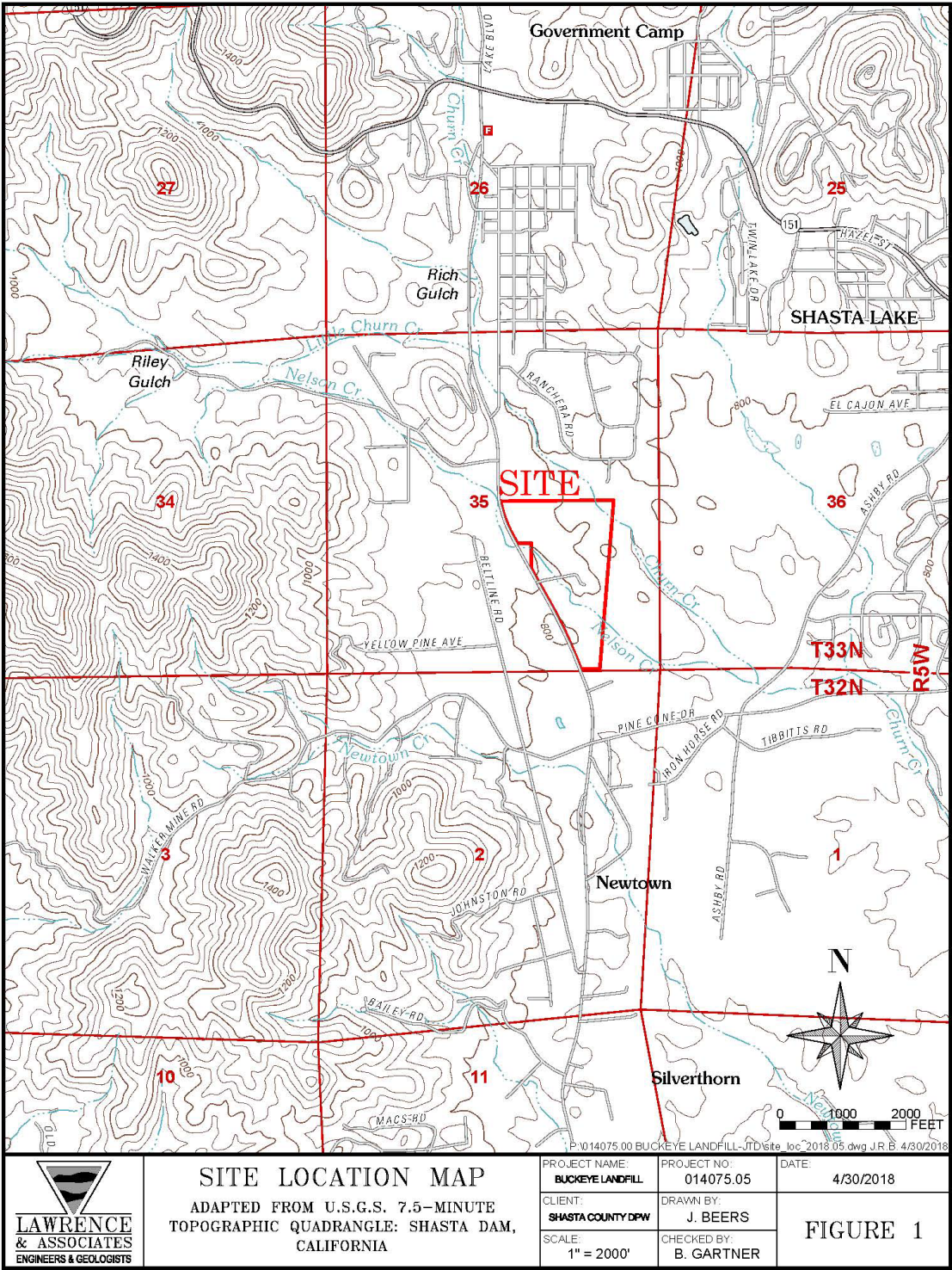




FIGURE 2

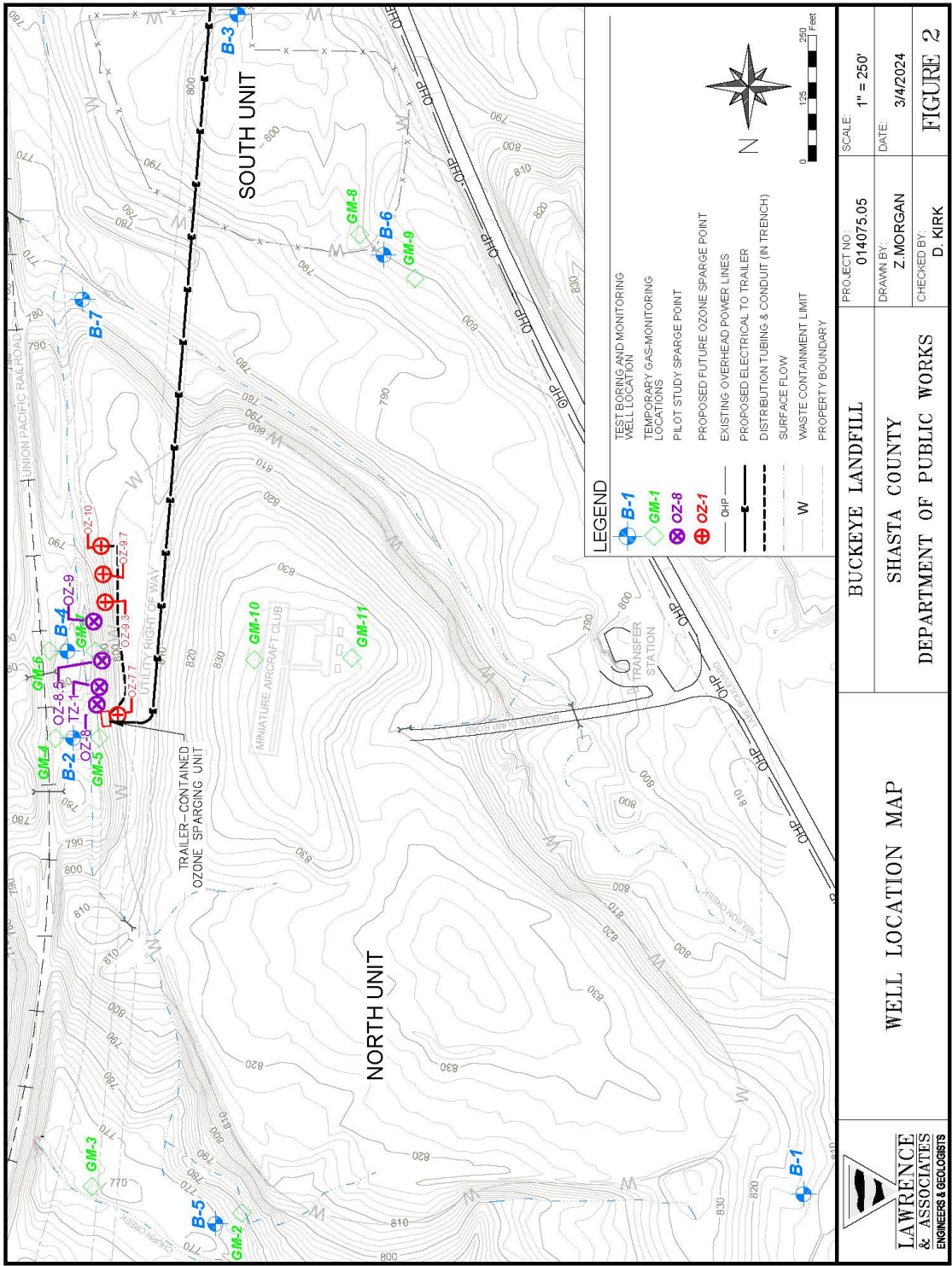


FIGURE 3







## ATTACHMENT A - SCHEDULE OF FEES

EFFECTIVE JANUARY 1, 2025

### PROFESSIONAL SERVICES

Engineering Geologist/Hydrogeologist	
Principal .....	\$195/hour
Senior .....	\$175/hour
Associate .....	\$150/hour
Staff .....	\$145/hour
Assistant .....	\$130/hour
Engineer	
Principal Engineer .....	\$215/hour
Senior Registered Civil .....	\$190/hour
Associate Registered Civil .....	\$165/hour
Staff Civil .....	\$145/hour
Assistant Civil .....	\$135/hour
Engineering Technician .....	\$110/hour
Project Manager .....	\$145/hour
Environmental Assessor (Level I) .....	\$140/hour
Environmental Assessor (Level II) .....	\$130/hour
AutoCAD Operator (Level I) .....	\$110/hour
AutoCAD Operator (Level II) .....	\$100/hour
Field Technician .....	\$105/hour
Laborer .....	\$85/hour
Tank Fund Administrator .....	\$85/hour
Clerical .....	\$85/hour
Travel Time .....	\$100/hour

### Deposition and Court Appearances

Minimum charge .....	\$1600 part or full day
Deposition or Court Appearance Rate .....	\$250/hour
Preparation at consulting-service rates .....	as listed above

### Drilling Services (CME-55 drilling rig)

7-5/8 and 9-5/8-inch OD augers with operator and helper .....	(See drilling schedule of fees, Attachment B)
Mobilization .....	

### Other In-House Equipment

Test pumps (submersible, through 5 HP) .....	quoted/job
Campbell 21X data loggers w/ transducers (water and gas) .....	quoted/job
Conductivity, oxygen, temperature and dissolved oxygen probes .....	quoted/job
Meteorological station (wind direction and velocity) .....	quoted/job
Gas-extraction and air-monitoring pumps .....	quoted/job
Mileage .....	\$0.70
Mileage (drilling rig) .....	\$1.00
Per diem – Northern CA/Oregon (per person/day; may vary dep. upon location) .....	\$200/night
Per diem – Southern CA (per person/day; may vary dep. upon location) .....	\$250/night
Level D protection (per person/day) .....	\$30/day
Survey equipment (per day) .....	\$50/day
GPS Survey (per day) .....	\$150/day

### Expenses, Materials, Outside Services

(All direct-job related expenses: reproduction, rental equipment, materials, subcontracted labor and equipment) .....	at cost + 15%
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**ATTACHMENT B  
DRILLING SCHEDULE OF FEES  
EFFECTIVE JANUARY 1, 2025**

**Drilling Services, (CME 55 Drilling Rig)**

CME 55 hollow stem auger with operator and helper (4X4).....	\$240/hour
Air rotary (includes compressor rental and fuel) .....	\$240/hour
Mud rotary & Coring.....	\$240/hour
Limited access rig.....	\$240/hour
Mobilization .....	\$200/hour
Extra helper/technician .....	\$100/hour
** If 4X4 is needed on CME 55** .....	\$200/day

**In-House Equipment (provided at quoted prices)**

Test Pumps (submersible)	
• 1/3 - 1 HP .....	\$20/Day.\$80/Wk
• 3 - 5 HP .....	\$30/Day.\$120/Wk
Hot water pressure washer.....	\$175/Day.\$600/Wk
Generator .....	\$50/Day.\$200/Wk
Trace-Techtor organic vapor analyzer.....	\$50/Day.\$200/Wk

**Commonly Used Materials**

55-gallon drum w/lid .....	\$133.00/ea
Sample sleeves w/caps .....	\$12.00/ea
Draeger tubes.....	\$3.50/ea
Mileage (other than drill rig) .....	\$0.70/mile
Mileage (drill rig) .....	\$1.00/mile
Level C protection (per person).....	\$50.00/Day
Per diem - Northern CA (per person/per day) .....	\$150.00/Night
Per diem - Southern CA (per person/per day) .....	\$250.00/Night
(Per diem cost may be more depending upon location)	

**Expenses, Materials, Outside Services**

Any other direct job related expenses, rental equipment, materials, Sub-contracted labor and equipment, etc. ....	at cost + 20%
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**ADDITIONAL SERVICES AT NO EXTRA COST:**

2-inch split spoon samplers (sample sleeves extra)  
 3-inch split spoon samplers (sample sleeves extra)  
 2-inch Shelby samplers (sample sleeves extra)  
 3-inch Shelby samplers (sample sleeves extra)  
 140-lb. drop hammer  
 Sampler breaking table