

PROFESSIONAL SERVICES AGREEMENT WITH SHN CONSULTING ENGINEERS & GEOLOGISTS, INC., IN THE AMOUNT OF \$269,403, FOR ENGINEERING AND CONSULTING SERVICES FOR THE LANDFILL WATER AND GAS MONITORING AND REPORTING PROGRAM

This Agreement, dated as of June 6, 2017, is by and between the COUNTY OF MENDOCINO, hereinafter referred to as the "COUNTY", and SHN Consulting Engineers & Geologists, Inc., hereinafter referred to as the "CONSULTANT".

WITNESSETH

WHEREAS, pursuant to Government Code Section 31000, COUNTY may retain independent contractors to perform special services to or for COUNTY or any department thereof; and,

WHEREAS, COUNTY desires to obtain CONSULTANT for its Engineering and Consulting Services; and,

WHEREAS, CONSULTANT is willing to provide such services on the terms and conditions set forth in this AGREEMENT and is willing to provide same to COUNTY.

NOW, THEREFORE it is agreed that COUNTY does hereby retain CONSULTANT to provide the services described in Exhibit "A", and CONSULTANT accepts such engagement, on the General Terms and Conditions hereinafter specified in this Agreement, the Additional Provisions attached hereto, and the following described exhibits, all of which are incorporated into this Agreement by this reference:

Exhibit A	Definition of Services
Attachment 1 to Exhibit A	Fee Schedule
Exhibit B	Payment Terms
Exhibit C	Insurance Requirements

The term of this Agreement shall be from July 1, 2017 through June 30, 2022.

The compensation payable to CONSULTANT hereunder shall not exceed TWO HUNDRED SIXTY NINE THOUSAND FOUR HUNDRED THREE THOUSAND DOLLARS (\$269,403) for the term of this Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

DEPARTMENT FISCAL REVIEW: Transportation

By: Howard N. Dashiell 6/27/17
Howard N. Dashiell, Director DATE

Budgeted: ☒ Yes ☐ No

Budget Unit: 3060

Line Item: 862189

Grant: ☐ Yes ☒ No

Grant No.: _____

COUNTY OF MENDOCINO

By: John McCowen
JOHN MCCOWEN, Chair
BOARD OF SUPERVISORS
JUN 06 2017

ATTEST:

CARMEL J. ANGELO, Clerk of said Board

By: Carmel J. Angelo
Deputy
JUN 06 2017

I hereby certify that according to the provisions of Government Code Section 25103, delivery of this document has been made.

CARMEL J. ANGELO, Clerk of said Board

By: Carmel J. Angelo
Deputy JUN 06 2017

INSURANCE REVIEW:

RISK MANAGER

By: Alan D. Flora
ALAN D. FLORA, Risk Manager

CONSULTANT/COMPANY NAME

By: Shawn D. Lorne

NAME AND ADDRESS OF CONSULTANT:

SHN Consulting Engineers & Geologists, Inc.

335 South Main Street

Willits, CA 95490

By signing above, signatory warrants and represents that he/she executed this Agreement in his/her authorized capacity and that by his/her signature on this Agreement, he/she or the entity upon behalf of which he/she acted, executed this Agreement

COUNTY COUNSEL REVIEW:

APPROVED AS TO FORM:

KATHARINE L. ELLIOTT,
County Counsel

By: Katharine L. Elliott
Deputy

FISCAL REVIEW:

By: Janette Rawn
Deputy CEO/Fiscal

EXECUTIVE OFFICE REVIEW:

APPROVAL RECOMMENDED

By: Carmel J. Angelo
CARMEL J. ANGELO, Chief Executive Officer

Signatory Authority: \$0-25,000 Department; \$25,001- 50,000 Purchasing Agent; \$50,001+ Board of Supervisors
Exception to Bid Process Required/Completed ☐ _____

GENERAL TERMS AND CONDITIONS

1. **INDEPENDENT CONTRACTOR:** No relationship of employer and employee is created by this Agreement; it being understood and agreed that CONSULTANT is an Independent Contractor. CONSULTANT is not the agent or employee of the COUNTY in any capacity whatsoever, and COUNTY shall not be liable for any acts or omissions by CONSULTANT nor for any obligations or liabilities incurred by CONSULTANT.

CONSULTANT shall have no claim under this Agreement or otherwise, for seniority, vacation time, vacation pay, sick leave, personal time off, overtime, health insurance medical care, hospital care, retirement benefits, social security, disability, Workers' Compensation, or unemployment insurance benefits, civil service protection, or employee benefits of any kind.

CONSULTANT shall be solely liable for and obligated to pay directly all applicable payroll taxes (including federal and state income taxes) or contributions for unemployment insurance or old age pensions or annuities which are imposed by any governmental entity in connection with the labor used or which are measured by wages, salaries or other remuneration paid to its officers, agents or employees and agrees to indemnify and hold County harmless from any and all liability which COUNTY may incur because of CONSULTANT's failure to pay such amounts.

In carrying out the work contemplated herein, CONSULTANT shall comply with all applicable federal and state workers' compensation and liability laws and regulations with respect to the officers, agents and/or employees conducting and participating in the work; and agrees that such officers, agents, and/or employees will be considered as Independent Contractors and shall not be treated or considered in any way as officers, agents and/or employees of COUNTY.

CONSULTANT does, by this Agreement, agree to perform his/her said work and functions at all times in strict accordance with all applicable federal, state and County laws, including but not limited to prevailing wage laws, ordinances, regulations, titles, departmental procedures and currently approved methods and practices in his/her field and that the sole interest of COUNTY is to ensure that said service shall be performed and rendered in a competent, efficient, timely and satisfactory manner and in accordance with the standards required by the County agency concerned.

Notwithstanding the foregoing, if the COUNTY determines that pursuant to state and federal law CONSULTANT is an employee for purposes of income tax withholding, COUNTY may upon two (2) week's written notice to CONSULTANT, withhold from payments to CONSULTANT hereunder federal and state income taxes and pay said sums to the federal and state governments.

2. **INDEMNIFICATION:** CONSULTANT shall indemnify, defend, and hold harmless the COUNTY, its officers, agents, and employees, from and against any and all claims, liabilities, and losses whatsoever including damages to property and injuries to, or death of persons, reasonable attorney's fees, expert fees and court costs occurring or resulting, or alleged to be occurring or resulting, to any and all persons, firms or corporations furnishing or supplying work, services, materials, or supplies in connections with the CONSULTANT'S performance or its obligations under this AGREEMENT, and from any and all claims, liabilities, and losses occurring or resulting, or alleged to be occurring or resulting, to any person, firm, or corporation for damage, injury, or death arising out of or connected with the CONSULTANT'S performance of its obligations under this AGREEMENT, unless such claims, liabilities, or losses arise out of the sole negligence or willful misconduct of COUNTY. "CONSULTANT'S performance" includes CONSULTANT'S action or inaction and the action or inaction of CONSULTANT'S officers, employees, agents and subconsultants.
3. **INSURANCE AND BOND:** CONSULTANT shall at all times during the term of the Agreement with the COUNTY maintain in force those insurance policies and bonds as designated in the attached Exhibit C, and will comply with all those requirements as stated therein.
4. **WORKERS' COMPENSATION:** CONSULTANT shall provide Workers' Compensation insurance, as applicable, at CONSULTANT's own cost and expense and further, neither the CONSULTANT nor its carrier shall be entitled to recover from COUNTY any costs, settlements, or expenses of Workers' Compensation claims arising out of this Agreement.
5. **CONFORMITY WITH LAW AND SAFETY:**
 - a. In performing services under this Agreement, CONSULTANT shall observe and comply with all applicable laws, ordinances, codes and regulations of governmental agencies, including federal, state, municipal, and local governing bodies, having jurisdiction over the scope of services, including all applicable provisions of the California Occupational Safety and Health Act. CONSULTANT shall indemnify and hold COUNTY harmless from any and all liability, fines, penalties and consequences from any of CONSULTANT's failures to comply with such laws, ordinances, codes and regulations.
 - b. **Accidents:** If a death, serious personal injury or substantial property damage occurs in connection with CONSULTANT's performance of this Agreement, CONSULTANT shall immediately notify Mendocino County Risk Manager's Office by telephone. CONSULTANT shall promptly submit to COUNTY a written report, in such form as may be required by

COUNTY of all accidents which occur in connection with this Agreement. This report must include the following information: (1) name and address of the injured or deceased person(s); (2) name and address of CONSULTANT's sub-contractor, if any; (3) name and address of CONSULTANT's liability insurance carrier; and (4) a detailed description of the accident and whether any of COUNTY's equipment, tools, material, or staff were involved.

- c. CONSULTANT further agrees to take all reasonable steps to preserve all physical evidence and information which may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and to grant to the COUNTY the opportunity to review and inspect such evidence, including the scene of the accident.
6. PAYMENT: For services performed in accordance with this Agreement, payment shall be made to CONSULTANT as provided in Exhibit "B" hereto as funding permits.
7. TAXES: Payment of all applicable federal, state, and local taxes shall be the sole responsibility of the CONSULTANT.
8. OWNERSHIP OF DOCUMENTS: CONSULTANT hereby agrees to provide to a private, not-for-profit, successor and if there is none then assigns the COUNTY and its assignees all copyright and other use rights in any and all proposals, plans, specification, designs, drawings, sketches, renderings, models, reports and related documents (including computerized or electronic copies) respecting in any way the subject matter of this Agreement, whether prepared by the COUNTY, the CONSULTANT, the CONSULTANT's subconsultants or third parties at the request of the CONSULTANT (collectively, "Documents and Materials"). This explicitly includes the electronic copies of all above stated documentation.

CONSULTANT shall be permitted to retain copies, including reproducible copies and computerized copies, of said Documents and Materials. CONSULTANT agrees to take such further steps as may be reasonably requested by COUNTY to implement the aforesaid assignment. If for any reason said assignment is not effective, CONSULTANT hereby grants the COUNTY and any assignee of the COUNTY an express royalty – free license to retain and use said Documents and Materials. The COUNTY's rights under this paragraph shall apply regardless of the degree of completion of the Documents and Materials and whether or not CONSULTANT's services as set forth in Exhibit "A" of this Agreement have been fully performed or paid for.

CONSULTANT shall pay all royalties and license fees which may be due for any patented or copyrighted materials, methods or systems selected by the CONSULTANT and incorporated into the work as set forth in Exhibit "A", and

shall defend, indemnify and hold the COUNTY harmless from any claims for infringement of patent or copyright arising out of such selection.

The COUNTY's rights under this Paragraph 8 shall not extend to any computer software used to create such Documents and Materials.

9. CONFLICT OF INTEREST: The CONSULTANT covenants that it presently has no interest, and shall not have any interest, direct or indirect, which would conflict in any manner with the performance of services required under this Agreement.
10. NOTICES: All notices, requests, demands, or other communications under this Agreement shall be in writing. Notices shall be given for all purposes as follows:

Personal delivery: When personally delivered to the recipient, notices are effective on delivery.

First Class Mail: When mailed first class to the last address of the recipient known to the party giving notice, notice is effective three (3) mail delivery days after deposit in a United States Postal Service office or mailbox. Certified Mail: When mailed certified mail, return receipt requested, notice is effective on receipt, if delivery is confirmed by a return receipt.

Overnight Delivery: When delivered by overnight delivery (Federal Express/Airborne/United Parcel Service/DHL WorldWide Express) with charges prepaid or charged to the sender's account, notice is effective on delivery, if delivery is confirmed by the delivery service.

Facsimile transmission: When sent by facsimile to the facsimile number of the recipient known to the party giving notice, notice is effective on receipt, provided that, (a) a duplicate copy of the notice is promptly given by first-class or certified mail or by overnight delivery, or (b) the receiving party delivers a written confirmation of receipt. Any notice given facsimile shall be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.

Addresses for purpose of giving notice are as follows:

To COUNTY: Mendocino County Department of Transportation
340 Lake Mendocino Drive
Ukiah, CA 95482
Attn: Amber Muñoz

To CONSULTANT: SHN Consulting Engineers & Geologists, Inc.
335 South Main Street
Willits, CA 95490
ATTN: Roland Rueber

Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified shall be deemed effective as of the first date that said notice was refused, unclaimed, or deemed undeliverable by the postal authorities, messenger, or overnight delivery service.

Any party may change its address or facsimile number by giving the other party notice of the change in any manner permitted by this Agreement.

11. **USE OF COUNTY PROPERTY:** CONSULTANT shall not use County property (including equipment, instruments and supplies) or personnel for any purpose other than in the performance of his/her obligations under this Agreement.
12. **EQUAL EMPLOYMENT OPPORTUNITY PRACTICES PROVISIONS:** CONSULTANT certifies that it will comply with all federal and state laws pertaining to equal employment opportunity and that it shall not engage in any unlawful discrimination.
 - a. CONSULTANT shall, in all solicitations or advertisements for applicants for employment placed as a result of this Agreement, state that it is an "Equal Opportunity Employer" or that all qualified applicants will receive consideration for employment without regard to their race, creed, color, disability, sex, sexual orientation, national origin, age, religion, Veteran's status, political affiliation, or any other non-merit factor.
 - b. CONSULTANT shall, if requested to so do by the COUNTY, certify that it has not, in the performance of this Agreement, engaged in any unlawful discrimination.
 - c. If requested to do so by the COUNTY, CONSULTANT shall provide the COUNTY with access to copies of all of its records pertaining or relating to its employment practices, except to the extent such records or portions of such records are confidential or privileged under state or federal law.
 - d. Nothing contained in this Agreement shall be construed in any manner so as to require or permit any act which is prohibited by law.
 - e. The CONSULTANT shall include the provisions set forth in this paragraph in each of its subcontracts.
13. **DRUG-FREE WORKPLACE:** CONSULTANT and CONSULTANT's employees shall comply with the COUNTY's policy of maintaining a drug-free workplace. Neither CONSULTANT nor CONSULTANT's employees shall unlawfully manufacture, distribute, dispense, possess or use controlled substances, as defined in 21 U.S. Code § 812, including, but not limited to, marijuana, heroin, cocaine, and amphetamines, at any COUNTY facility or work site. If

CONSULTANT or any employee of CONSULTANT is convicted or pleads *nolo contendere* to a criminal drug statute violation occurring at a County facility or work site, the CONSULTANT, within five days thereafter, shall notify the head of the County department/agency for which the contract services are performed. Violation of this provision shall constitute a material breach of this Agreement.

14. ENERGY CONSERVATION: CONSULTANT agrees to comply with the mandatory standards and policies relating to energy efficiency in the State of California Energy Conservation Plan, (Title 24, California Administrative Code).
15. COMPLIANCE WITH LICENSING REQUIREMENTS: CONSULTANT shall comply with all necessary licensing requirements and shall obtain appropriate licenses and display the same in a location that is reasonably conspicuous, as well as file copies of same with the County Executive Office.
16. AUDITS; ACCESS TO RECORDS: The CONSULTANT shall make available to the COUNTY, its authorized agents, officers, or employees, for examination any and all ledgers, books of accounts, invoices, vouchers, cancelled checks, and other records or documents evidencing or relating to the expenditures and disbursements charged to the COUNTY, and shall furnish to the COUNTY, within sixty (60) days after examination, its authorized agents, officers or employees such other evidence or information as the COUNTY may require with regard to any such expenditure or disbursement charged by the CONSULTANT.

The CONSULTANT shall maintain full and adequate records in accordance with County requirements to show the actual costs incurred by the CONSULTANT in the performance of this Agreement. If such books and records are not kept and maintained by CONSULTANT within the County of Mendocino, California, CONSULTANT shall, upon request of the COUNTY, make such books and records available to the COUNTY for inspection at a location within County or CONSULTANT shall pay to the COUNTY the reasonable, and necessary costs incurred by the COUNTY in inspecting CONSULTANT's books and records, including, but not limited to, travel, lodging and subsistence costs. CONSULTANT shall provide such assistance as may be reasonably required in the course of such inspection. The COUNTY further reserves the right to examine and reexamine said books, records and data during the four (4) year period following termination of this Agreement or completion of all work hereunder, as evidenced in writing by the COUNTY, and the CONSULTANT shall in no event dispose of, destroy, alter, or mutilate said books, records, accounts, and data in any manner whatsoever for four (4) years after the COUNTY makes the final or last payment or within four (4) years after any pending issues between the COUNTY and CONSULTANT with respect to this Agreement are closed, whichever is later.

17. DOCUMENTS AND MATERIALS: CONSULTANT shall maintain and make available to COUNTY for its inspection and use during the term of this Agreement, all Documents and Materials, as defined in Paragraph 8 of this Agreement.

CONSULTANT's obligations under the preceding sentence shall continue for four (4) years following termination or expiration of this Agreement or the completion of all work hereunder (as evidenced in writing by COUNTY), and CONSULTANT shall in no event dispose of, destroy, alter or mutilate said Documents and Materials, for four (4) years following the COUNTY's last payment to CONSULTANT under this Agreement.

18. **TIME OF ESSENCE:** Time is of the essence in respect to all provisions of this Agreement that specify a time for performance; provided, however, that the foregoing shall not be construed to limit or deprive a party of the benefits of any grace or use period allowed in this Agreement.
19. **TERMINATION:** The COUNTY has and reserves the right to suspend, terminate or abandon the execution of any work by the CONSULTANT without cause at any time upon giving to the CONSULTANT prior written notice. In the event that the COUNTY should abandon, terminate or suspend the CONSULTANT's work, the CONSULTANT shall be entitled to payment for services provided hereunder prior to the effective date of said suspension, termination or abandonment. Said payment shall be computed in accordance with Exhibit B hereto, provided that the maximum amount payable to CONSULTANT for its Engineering and Consulting Services shall not exceed \$269,403 payment for services provided hereunder prior to the effective date of said suspension, termination or abandonment or lack of funding.
20. **NON APPROPRIATION:** If COUNTY should not appropriate or otherwise make available funds sufficient to purchase, lease, operate or maintain the products set forth in this Agreement, or other means of performing the same functions of such products, COUNTY may unilaterally terminate this Agreement only upon thirty (30) days written notice to CONSULTANT. Upon termination, COUNTY shall remit payment for all products and services delivered to COUNTY and all expenses incurred by CONSULTANT prior to CONSULTANT'S receipt of the termination notice.
21. **CHOICE OF LAW:** This Agreement, and any dispute arising from the relationship between the parties to this Agreement, shall be governed by the laws of the State of California, excluding any laws that direct the application of another jurisdiction's laws.
22. **VENUE:** All lawsuits relating to this contract must be filed in Mendocino County Superior Court, Mendocino County, California.
23. **WAIVER:** No waiver of a breach, failure of any condition, or any right or remedy contained in or granted by the provisions of this Agreement shall be effective unless it is in writing and signed by the party waiving the breach, failure, right or remedy. No waiver of any breach, failure, right or remedy shall be deemed a

waiver of any other breach, failure, right or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

24. **ADVERTISING OR PUBLICITY:** CONSULTANT shall not use the name of County, its officers, directors, employees or agents, in advertising or publicity releases or otherwise without securing the prior written consent of COUNTY in each instance.
25. **ENTIRE AGREEMENT:** This Agreement, including all attachments, exhibits, and any other documents specifically incorporated into this Agreement, shall constitute the entire agreement between COUNTY and CONSULTANT relating to the subject matter of this Agreement. As used herein, Agreement refers to and includes any documents incorporated herein by reference and any exhibits or attachments. This Agreement supersedes and merges all previous understandings, and all other agreements, written or oral, between the parties and sets forth the entire understanding of the parties regarding the subject matter thereof. This Agreement may not be modified except by a written document signed by both parties.
26. **HEADINGS:** Herein are for convenience of reference only and shall in no way affect interpretation of this Agreement.
27. **MODIFICATION OF AGREEMENT:** This Agreement may be supplemented, amended or modified only by the mutual agreement of the parties. No supplement, amendment or modification of this Agreement shall be binding unless it is in writing and signed by authorized representatives of both parties.
28. **ASSURANCE OF PERFORMANCE:** If at any time the COUNTY has good objective cause to believe CONSULTANT may not be adequately performing its obligations under this Agreement or that CONSULTANT may fail to complete the Services as required by this Agreement, COUNTY may request from CONSULTANT prompt written assurances of performance and a written plan acceptable to COUNTY, to correct the observed deficiencies in CONSULTANT's performance. CONSULTANT shall provide such written assurances and written plan within thirty (30) calendar days of its receipt of COUNTY's request and shall thereafter diligently commence and fully perform such written plan. CONSULTANT acknowledges and agrees that any failure to provide such written assurances and written plan within the required time is a material breach under this Agreement.
29. **SUBCONTRACTING/ASSIGNMENT:** CONSULTANT shall not subcontract, assign or delegate any portion of this Agreement or any duties or obligations hereunder without the COUNTY's prior written approval.

- a. Neither party shall, on the basis of this Agreement, contract on behalf of or in the name of the other party. Any agreement that violates this Section shall confer no rights on any party and shall be null and void.
 - b. CONSULTANT shall use subconsultants identified in Exhibit "A" and shall not substitute subconsultants without COUNTY's prior written approval.
 - c. CONSULTANT shall remain fully responsible for compliance by its subconsultants with all the terms of this Agreement, regardless of the terms of any agreement between CONSULTANT and its subconsultants.
30. SURVIVAL: The obligations of this Agreement, which by their nature would continue beyond the termination on expiration of the Agreement, including without limitation, the obligations regarding Indemnification (Paragraph 2), Ownership of Documents (Paragraph 8), and Conflict of Interest (Paragraph 9), shall survive termination or expiration for two (2) years.
31. SEVERABILITY: If a court of competent jurisdiction holds any provision of this Agreement to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining provisions, or portions of them, will not be affected, unless an essential purpose of this Agreement would be defeated by the loss of the illegal, unenforceable, or invalid provision.
32. PATENT AND COPYRIGHT INDEMNITY: CONSULTANT represents that it knows of no allegations, claims, or threatened claims that the materials, services, hardware or software ("CONSULTANT Products") provided to COUNTY under this Agreement infringe any patent, copyright or other proprietary right. CONSULTANT shall defend, indemnify and hold harmless COUNTY of, from and against all losses, claims, damages, liabilities, costs expenses and amounts (collectively, "Losses") arising out of or in connection with an assertion that any CONSULTANT Products or the use thereof, infringe any patent, copyright or other proprietary right of any third party.
- a. COUNTY will: (1) notify CONSULTANT promptly of such claim, suit or assertion; (2) permit CONSULTANT to defend, compromise, or settle the claim; and, (3) provide, on a reasonable basis, information to enable CONSULTANT to do so. CONSULTANT shall not agree without COUNTY's prior written consent, to any settlement, which would require COUNTY to pay money or perform some affirmative act in order to continue using the CONSULTANT Products.
 - b. If CONSULTANT is obligated to defend COUNTY pursuant to this Section 32 and fails to do so after reasonable notice from COUNTY, COUNTY may defend itself and/or settle such proceeding, and CONSULTANT shall pay to COUNTY any and all losses, damages and expenses (including attorney's fees and costs) incurred in relationship with COUNTY's defense

and/or settlement of such proceeding.

- c. In the case of any such claim of infringement, CONSULTANT shall either, at its option, (1) procure for COUNTY the right to continue using the CONSULTANT Products; or (2) replace or modify the CONSULTANT Products so that that they become non-infringing, but equivalent in functionality and performance.
- d. Notwithstanding this Section 32, COUNTY retains the right and ability to defend itself, at its own expense, against any claims that CONSULTANT Products infringe any patent, copyright, or other intellectual property right.

33. OTHER AGENCIES:

Other tax supported agencies within the State of California who have not contracted for their own requirements may desire to participate in this contract. The CONSULTANT is requested to service these agencies and will be given the opportunity to accept or reject the additional requirements. If the CONSULTANT elects to supply other agencies, orders will be placed directly by the agency and payments made directly by the agency.

[END OF GENERAL TERMS AND CONDITIONS]

EXHIBIT A

DEFINITION OF SERVICES

CONSULTANT shall provide the following services:

- Participate in a project kick-off meeting with representatives of the Mendocino County Department of Transportation (DOT), Local Enforcement Agency and other project stakeholders.
- Conduct a literature review of documents relating to the areas (any existing surveys, maps, reports, statewide data bases), including information on file at County DOT.
- Review all current Chain of Custody forms and provide updated forms as appropriate, including ground water, surface water, leachate, domestic wells and 5-year constituents of concern.
- Provide the required analysis and results reports for the samples collected in the field by County personnel and tested by Alpha Analytical Laboratories, Inc., or the current laboratory contracted by the County.
- Compare quarterly samples to applicable environmental guidelines (CSR Drinking Water, CSR Aquatic Life, and Special Waste Leachate Quality).
- Compile all collected field measurements and laboratory analysis results.
- Prepare and supply three interim (quarterly) monitoring reports each year following each sampling event.
 - The interim reports shall include:
 - Brief summary of the results for each sampling location focusing on areas of concern highlighted in the past years' reports identifying any significant anomalies or trends;
 - Excel Table for each sampling locations containing monitoring results from actual and prior monitoring events and highlighting results exceeding applicable limits;
 - Graphs showing trends for the lead parameters generated from the excel tables;
 - Recommendations for additional sampling/testing or remedial work should be included if necessary, and for elimination of unnecessary testing currently in place.

- Interim reports shall be submitted to NCRWQCB by the 30th of the month following each quarter, or as required by NCRWQCB. Reports must be sealed and stamped. Results of the June monitoring event are to be included in the Annual Report. Delivery of the Interim Report shall include one (1) bound hard copy and one (1) electronic copy - pdf.format, or as required by NCRWQCB. In addition to the files in pdf-format, tables and graphs shall be delivered in excel-format. Draft reports shall be submitted electronically by email to County for review a minimum of 5 business days prior to submittal to NCRWQCB, if requested by County.
- Prepare the Annual Report on Groundwater Monitoring, Surface Water Monitoring, Leachate and Gas Monitoring, to include June monitoring results, upon completion of the quarterly monitoring events for the year.
 - The Annual Report shall include:
 - Brief site description and observations;
 - Brief description of the monitoring program and revisions to the monitoring program if applicable;
 - Applicable regulations for the evaluation;
 - Description of sampling methods being used;
 - Brief summary of sampling program being conducted;
 - Brief summary of the results for each sampling location;
 - Excel table showing the analytical results including prior monitoring events;
 - Graphs showing trends for the lead parameters generated from the excel tables;
 - Drawings / figures showing sampling locations;
 - Laboratory Reports
 - The completed Annual Report shall be submitted on or before July 1, of each year to the NCRWQCB. The Annual Report must be sealed and stamped by a California licensed engineer or geologist. Delivery of the Report shall include three (3) bound hard copies and one (1) electronic copy - pdf.format, or as required by NCRWQCB. Draft reports shall be submitted electronically by email to County for review a minimum of 5 business days prior to submittal to NCRWQCB, if requested by County.

- Provide assistance as the North Coast Regional Water Quality Control Board revises the Monitoring and Reporting Programs for each landfill including, but not limited to, responding to comments from NCRWQCB, answering questions, making revisions as needed, and providing guidance to County staff.



Consulting Engineers & Geologists, Inc.

Fee Schedule January 1, 2017

When accurate definition of the proposed work is not possible, an hourly charge out rate for determining compensation shall be used. Hourly charge rates include payroll costs, overhead, and profit. Hourly services are billed portal to portal and are subject to a 2-hour minimum. Current rates are as follows:

Hourly Charge Rates			
Position ¹	Hourly Rates		
Principal Engineer	\$ 135.00	-	\$180.00
Principal Engineering Geologist	\$ 125.00	-	\$155.00
Principal Surveyor	\$ 125.00	-	\$155.00
Project Manager	\$ 85.00	-	\$155.00
Senior Planner	\$ 100.00	-	\$140.00
Senior Engineer	\$ 115.00	-	\$150.00
Senior Geotechnical Engineer	\$ 125.00	-	\$155.00
Senior Geologist	\$ 115.00	-	\$145.00
Senior Surveyor	\$ 105.00	-	\$135.00
Engineer	\$ 85.00	-	\$120.00
Traffic Engineer	\$ 85.00	-	\$140.00
Geologist	\$ 85.00	-	\$115.00
Certified Industrial Hygienist	\$ 95.00	-	\$140.00
Environmental Specialist	\$ 75.00	-	\$130.00
Environmental Planner	\$ 75.00	-	\$115.00
Staff Surveyor ³	\$ 75.00	-	\$105.00
Assistant Engineer	\$ 75.00	-	\$120.00
Survey Party Chief ³	\$ 75.00	-	\$105.00
Junior Engineer	\$ 65.00	-	\$ 90.00
Engineering Technician/Draftsperson ³	\$ 65.00	-	\$ 90.00
Lab/Field Technician ³	\$ 65.00	-	\$100.00
Survey Technician ³	\$ 65.00	-	\$ 90.00
Technical Writer	\$ 55.00	-	\$ 70.00
Clerical	\$ 50.00	-	\$ 70.00
Expert Witness ^{2,4}	\$155.00	-	\$255.00

1 Incidental expenses, i.e., lodging, meals, airplane tickets, etc., are billed at cost plus 15%.

2 Minimum daily charge is four hours.

3 Rates depend on the specific personnel assigned and if prevailing wage rates are required in the area of work.

4 Rates for Expert Witness are charged for preparation and testimony for both deposition(s) and trial(s).

Reimbursables	
The following direct charges are charged in addition to the hourly charge rates set forth above.	
Direct Charges:	
CADD plots (black & white)	\$ 4.00/ea.
CADD plots (color)	\$ 20.00/ea.
Copies	\$.15/ea.
Equipment and other expenditures (required for projects)	Cost + 15%
Field office	Cost + 15%
Filing fees, telephone expense, etc.	Cost + 15%
Iron pipe, monuments, flagging, etc.	Cost + 15%
Mylars	\$ 2.50/sq. ft.
Services of other consultants	Cost + 15%
Stakes, hubs, lath, etc.	Cost + 15%
Subsistence, air travel, etc.	Cost + 15%
Vehicles	\$ 50.00/day
Field Testing and Equipment:	
Anchor bolt tension testing	\$ 80.00/day plus operator
CO ₂ Meter	\$ 10.00/day
Concrete Compression Impact Hammer	\$ 25.00/day**
Core Drilling Machine	\$ 75.00/day + \$3.00/inch cored
Dissolved Oxygen Meter	\$ 53.00/day**
Expendable Supplies	\$ 40.00/day**
Fyrite Meter	\$ 33.00/day**
Generator	\$ 53.00/day**
Geophysical Equipment	By Quotation
Grundfos Controller & Pump	\$275.00/day
Hand Auger	\$ 33.00/day
Health & Safety Level D	\$ 35.00/day**
Health & Safety Level C	\$ 60.00/day**
High Pressure Controller	\$ 60.00/day**
Inclinometer	\$200.00/day*
LEL Meter	\$ 66.00/day**
Nuclear Density Testing	\$ 25.00/hour plus operator
Other equipment including drill rigs, backhoes, etc.	Cost + 15%
ORP Meter	\$ 15.00/day
OVA	\$132.00/day**
Peristaltic Pump	\$ 50.00/day**
pH/Conductivity Meter	\$ 53.00/day**
Pumps	\$ 45.00/day**
Quad (ATV)	\$150.00/day
Rebar Locating Device	\$ 40.00/day plus operator
* 1/2 Day Minimum Charge. + 25% Weekly Discount, 40% Monthly Discount. (1) If concrete is sampled and delivered to SHN lab by outside contractor, add \$5.00/ea. for processing and curing per ASTM C-31.	

Reimbursables, Continued

Field Testing and Equipment, Continued:

Roto-hammer	\$ 50.00/day*+
Skidmore-Wilhelm Bolt Tension Calibration	\$ 50.00/day
Soil/Gas Purge Pumps	\$ 30.00/day*+
Soil Gas Probes	\$200.00/day*+
Torque Wrench (0 to 250 ft lbs)	\$ 25.00/day
Torque Wrench (250 to 1,000 ft lbs)	\$ 50.00/day
Turbidity Meter	\$ 26.00/day*+
Ultrasonic Test Device	\$ 20.00/hour plus operator
Vapor Extraction System	\$500.00/day*+
Water Level Data Logger	\$ 60.00/day*+
Water Level Meter	\$ 33.00/day*+
Well Point	\$ 50.00/day

Survey Equipment:

GPS Station	\$300.00/day*
Level	\$ 25.00/day*
Resource GPS	\$ 150.00/day*
Robotic Total Station	\$ 200.00/day
Total Station	\$ 7.50/hour
Total Station w/Data Collector	\$ 100.00/day
Toughbook	\$ 150.00/day*
Trimble GeoXT GPS Unit	\$ 150.00/day*

Laboratory Tests:

Asphalt Briquette Compaction	\$ 50.00/ea. ⁽¹⁾
Asphalt Bulk Specific Gravity	\$ 30.00/ea.
Asphalt Content by Nuclear Method	\$ 75.00/test
Asphalt Content Gauge Calibration	\$200.00/ea.
Asphalt Extraction (% Bitumen)	On Request
Asphalt (Hveem) Mix Design	On Request
Brass Tube (Liner)	\$ 5.00/ea.
Cleaness Value (CT 227)	\$ 75.00/ea.
Compaction Curves (ASTM D 1557 or Caltrans CT216):	
4-inch Mold	\$200.00/ea.
6-inch Mold	\$200.00/ea.
Check Point	\$ 75.00/ea.
Concrete Compressive Strength (CT 521 or ASTM C39)	\$ 25.00/ea. ⁽²⁾
Concrete Linear Shrinkage (3 Bars)	\$200.00
Concrete Moisture	\$ 25.00/test (floor test)
Consolidation Test	\$300.00/ea.
Direct Shear, per point: (ASTM D3080)	
Consolidated-Drained (CD)	\$145.00/point
Unconsolidated-Undrained (UU) (Modified ASTM)	\$115.00/point
Consolidated-Undrained (CU) (Modified ASTM)	\$130.00/point
Additional cycles (each)	\$ 65.00/ea.
Disposable Concrete Molds	\$ 2.00/ea.

* 1/2 Day Minimum Charge.

+ 25% Weekly Discount, 40% Monthly Discount.

(1) If asphalt is delivered to SHN lab unmixed, add \$75.00/ea. for processing and mixing per Caltrans CT304.

(2) If concrete is sampled and delivered to SHN lab by outside contractor, add \$5.00/ea. for processing and curing per ASTM C-31.

Reimbursables, Continued

Laboratory Tests, Continued:

Durability Index	\$ 75.00/ea.
Expansion Index	\$175.00/test
Fireproofing Density	\$ 50.00/ea.
Grout Compressive Strength	\$ 40.00/ea.
LA Rattler (abrasion resistance)	\$200.00/test
Liquid Limit	\$100.00/ea.
Masonry Block Compressive Strength	\$ 65.00/ea.
Masonry Block Linear Shrinkage	\$ 85.00/ea.
Masonry Block Prism Compressive Strength	\$125.00/ea.
Masonry Core Shear Test	\$ 50.00/core
Moisture Content	\$ 20.00/ea.
Moisture-Density Test	\$ 30.00/ea.
Particle Size Analysis (ASTM 422)	\$115.00/ea.
Percent Crushed Particles	\$125.00/ea.
Percent Entrained Air In Concrete	\$ 10.00/ea.
Percent Organics	\$ 50.00/ea.
Plastic Limit	\$ 50.00/ea.
Plasticity Index	\$150.00/ea.
R-Value	\$300.00/ea.
Rice Specific Gravity of Asphalt (ASTM D2041)	\$ 75.00/ea.
Sand Equivalent	\$ 50.00/ea.
Sawing Rocks and Concrete Cores	\$ 30.00/unit
Sieve Analysis--Coarse	\$ 50.00/ea.
Sieve Analysis--Fine	\$ 60.00/ea.
Sieve Analysis--Passing 200	\$ 45.00/ea.
Specific Gravity, Rock	\$ 45.00/ea.
Stabilometer of Premixed AC	\$ 75.00/ea.
Sulfate Soundness	\$ 80.00/cycle
Swell Test	\$ 55.00/point
Triaxial Compression	
Unconsolidated Undrained (TXUU) (ASTM D2850)	\$115.00/point
Consolidated Undrained (TXCU) (ASTM D4767)	\$385.00/point
Consolidated Drained (TXCD) (ACOE)	\$500.00/point
Consolidated Undrained (TXCU-3 stage) (ASTM D4767)	\$810.00/test
Consolidated Drained (TXCD-3 stage) (ACOE)	\$860.00/test
USDA Bulk Density Test	\$ 30.00/ea.
USDA Textural Suitability Test	\$ 60.00/ea.
Unconfined Compression	\$ 65.00/ea.
Unit Weight of Lightweight Concrete	\$ 50.00/unit

Notes:

All samples of soil or rock from physical testing are discarded 30 days after submission of final report unless prior arrangements are made. Samples of soil or rock submitted for testing for hazardous substances will be returned to the Client, who is responsible for proper disposal.

This fee schedule is subject to review and adjustment, as required.

Certain services may require prevailing wages or overtime at premium pay to SHN employees. In such circumstances, fees will be adjusted to reflect increased labor costs.

EXHIBIT B

PAYMENT TERMS

1. CONSULTANT will provide the professional services described in Exhibit A on a not to exceed cost basis for the estimated fee of \$269,403.
2. COUNTY shall pay CONSULTANT for all work required in the satisfactory completion of this Agreement in accordance with the attached fee schedule.
3. CONSULTANT'S statement of charges shall be submitted to the COUNTY on a monthly basis.
4. Partial payments shall be made to the CONSULTANT by the COUNTY on a monthly basis in accordance with applicable charges for time-and-expense work that may be authorized by the COUNTY. In no event shall the amount paid to CONSULTANT exceed the total contract amount without prior written approval of the COUNTY.
5. Payments for work completed by CONSULTANT will be made by COUNTY within 30 days of receipt of CONSULTANT'S invoice.
6. The compensation payable to CONSULTANT hereunder shall not exceed the authorized contract amount for the term of this Agreement. The CONSULTANT shall invoice the COUNTY based on the attached rate schedule, with a 3% rate increase allowed for each of the subsequent years of this Agreement.

[END OF PAYMENT TERMS]

EXHIBIT C

INSURANCE REQUIREMENTS

Insurance coverage in a minimum amount set forth herein shall not be construed to relieve CONSULTANT for liability in excess of such coverage, nor shall it preclude COUNTY from taking such other action as is available to it under any other provisions of this Agreement or otherwise in law.

CONSULTANT agrees to indemnify and hold harmless COUNTY, its elected or appointed officials, employees or volunteers against any claims, actions, or demands against them, or any of them, and against any damages, liabilities or expenses, including costs of defense and attorney's fees, for personal injury or death, or for the loss or damage to the property, or any or all of them, to the extent arising out of the performance of this Agreement by CONSULTANT.

CONSULTANT affirms that s/he is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for the Workers' Compensation or to undertake self-insurance in accordance with the provisions of the Code and CONSULTANT further assures that s/he will comply with such provisions before commencing the performance of work under this Agreement. CONSULTANT shall furnish to COUNTY certificate(s) of insurance evidencing Worker's Compensation Insurance coverage to cover its employees, and CONSULTANT shall require all subconsultants similarly to provide Workers' Compensation Insurance as required by the Labor Code of the State of California for all of CONSULTANT'S and subconsultants' employees.

CONSULTANT shall furnish to COUNTY certificates of insurance with Automobile Liability/General Liability Endorsements evidencing at a minimum the following:

- a. Combined single limit bodily injury liability and property damage liability - \$1,000,000 each occurrence.
- b. Vehicle / Bodily Injury combined single limit vehicle bodily injury and property damage liability - \$500,000 each occurrence.

[END OF INSURANCE REQUIREMENTS]