

AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

THIS AGREEMENT (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and Geosyntec Consultants with an address at 3530 Hyland Ave, Suite 100, Costa Mesa, California 92626 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

WHEREAS, CONTRACTOR represents that it is specially trained, skilled, experienced, and competent to perform the special services required by COUNTY and COUNTY desires to retain the services of CONTRACTOR pursuant to the terms, covenants, and conditions herein set forth;

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. DESIGNATED REPRESENTATIVE

Jamie R. Perry at phone number 805-882-3625 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. Yonas B. Zemuy at phone number 714-465-1256 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party.

2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To COUNTY: Jamie Perry, Civil Engineer Specialist
County of Santa Barbara, Public Works Department
Resource Recovery & Waste Management Division
130 E Victoria Street, Suite 100, Santa Barbara, CA 93101
Phone: (805) 882-3625

To CONTRACTOR: Yonas B. Zemuy, P.E., Senior Principal Engineer
Geosyntec Consultants
3530 Hyland Ave, Suite 100, Costa Mesa, CA 92626
Phone: (714) 465-1256

or at such other address or to such other person that the parties may from time to time designate in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

3. SCOPE OF SERVICES

CONTRACTOR agrees to provide services to COUNTY in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

4. TERM

CONTRACTOR shall commence performance on August 5, 2024 and end performance upon completion, but no later than June 30, 2026 unless otherwise directed by COUNTY or unless earlier terminated.

5. COMPENSATION OF CONTRACTOR

In full consideration for CONTRACTOR's services, CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by COUNTY and which is delivered to the address given in Section 2 NOTICES above following completion of the increments identified on EXHIBIT B. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of invoice.

6. INDEPENDENT CONTRACTOR

It is mutually understood and agreed that CONTRACTOR (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to COUNTY and not as an officer, agent, servant, employee, joint venturer, partner, or associate of COUNTY. Furthermore, COUNTY shall have no right to control, supervise, or direct the manner or method by which CONTRACTOR shall perform its work and function. However, COUNTY shall retain the right to administer this Agreement so as to verify that CONTRACTOR is performing its obligations in accordance with the terms and conditions hereof. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. CONTRACTOR shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, CONTRACTOR shall be solely responsible and save COUNTY harmless from all matters relating to payment of CONTRACTOR's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, CONTRACTOR may be providing services to others unrelated to the COUNTY or to this Agreement.

7. STANDARD OF PERFORMANCE

CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

8. DEBARMENT AND SUSPENSION

CONTRACTOR certifies to COUNTY that it and its employees and principals are not debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or county government contracts. CONTRACTOR certifies that it shall not contract with a subcontractor that is so debarred or suspended.

9. TAXES

CONTRACTOR shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus

interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

10. CONFLICT OF INTEREST

CONTRACTOR covenants that CONTRACTOR presently has no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONTRACTOR further covenants that in the performance of this Agreement, no person having any such interest shall be employed by CONTRACTOR. CONTRACTOR must promptly disclose to COUNTY, in writing, any potential conflict of interest. COUNTY retains the right to waive a conflict of interest disclosed by CONTRACTOR if COUNTY determines it to be immaterial, and such waiver is only effective if provided by COUNTY to CONTRACTOR in writing.

11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any of such items to other parties except after prior written approval of COUNTY.

Unless otherwise specified in Exhibit A, CONTRACTOR hereby assigns to COUNTY all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by CONTRACTOR pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). COUNTY shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. CONTRACTOR agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. CONTRACTOR warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. CONTRACTOR at its own expense shall defend, indemnify, and hold harmless COUNTY against any claim that any Copyrightable Works or Inventions or other items provided by CONTRACTOR hereunder infringe upon intellectual or other proprietary rights of a third party, and CONTRACTOR shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by COUNTY in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

12. NO PUBLICITY OR ENDORSEMENT

CONTRACTOR shall not use COUNTY's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. CONTRACTOR shall not use COUNTY's name or logo in any manner that would give the appearance that the COUNTY is endorsing CONTRACTOR. CONTRACTOR shall not in any way contract on behalf of or in the name of COUNTY. CONTRACTOR shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the COUNTY or its projects, without obtaining the prior written approval of COUNTY.

13. COUNTY PROPERTY AND INFORMATION

All of COUNTY's property, documents, and information provided for CONTRACTOR's use in connection with the services shall remain COUNTY's property, and CONTRACTOR shall return any such items whenever requested by COUNTY and whenever required according to the Termination section of this Agreement. CONTRACTOR may use such

items only in connection with providing the services. CONTRACTOR shall not disseminate any COUNTY property, documents, or information without COUNTY's prior written consent.

14. RECORDS, AUDIT, AND REVIEW

CONTRACTOR shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of CONTRACTOR's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally accepted accounting principles. COUNTY shall have the right to audit and review all such documents and records at any time during CONTRACTOR's regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), CONTRACTOR shall be subject to the examination and audit of the California State Auditor, at the request of the COUNTY or as part of any audit of the COUNTY, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). CONTRACTOR shall participate in any audits and reviews, whether by COUNTY or the State, at no charge to COUNTY.

If federal, state or COUNTY audit exceptions are made relating to this Agreement, CONTRACTOR shall reimburse all costs incurred by federal, state, and/or COUNTY governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from COUNTY, CONTRACTOR shall reimburse the amount of the audit exceptions and any other related costs directly to COUNTY as specified by COUNTY in the notification.

15. INDEMNIFICATION AND INSURANCE

CONTRACTOR agrees to the indemnification and insurance provisions as set forth in EXHIBIT C attached hereto and incorporated herein by reference.

16. NONDISCRIMINATION

COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

17. NONEXCLUSIVE AGREEMENT

CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

18. NON-ASSIGNMENT

CONTRACTOR shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

19. TERMINATION

- A. By COUNTY. COUNTY may, by written notice to CONTRACTOR, terminate this Agreement in whole or in part at any time, whether for COUNTY's convenience, for nonappropriation of funds, or because of the failure of CONTRACTOR to fulfill the obligations herein.

1. **For Convenience.** COUNTY may terminate this Agreement in whole or in part upon thirty (30) days written notice. During the thirty (30) day period, CONTRACTOR shall, as directed by COUNTY, wind down and cease its services as quickly and efficiently as reasonably possible, without performing unnecessary services or activities and by minimizing negative effects on COUNTY from such winding down and cessation of services.
 2. **For Nonappropriation of Funds.** Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or COUNTY governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then COUNTY will notify CONTRACTOR of such occurrence and COUNTY may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, COUNTY shall have no obligation to make payments with regard to the remainder of the term.
 3. **For Cause.** Should CONTRACTOR default in the performance of this Agreement or materially breach any of its provisions, COUNTY may, at COUNTY's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services affected (unless the notice directs otherwise) and notify COUNTY as to the status of its performance. The date of termination shall be the date the notice is received by CONTRACTOR, unless the notice directs otherwise.
- B. **By CONTRACTOR.** Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option terminate this Agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.
- C. Upon termination, CONTRACTOR shall deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process, except such items as COUNTY may, by written permission, permit CONTRACTOR to retain. Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for satisfactory services performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall CONTRACTOR be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not affect any right or remedy which COUNTY may have in law or equity.

20. **SECTION HEADINGS**

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

21. **SEVERABILITY**

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

22. REMEDIES NOT EXCLUSIVE

No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.

23. TIME IS OF THE ESSENCE

Time is of the essence in this Agreement and each covenant and term is a condition herein.

24. NO WAIVER OF DEFAULT

No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

25. ENTIRE AGREEMENT AND AMENDMENT

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

26. SUCCESSORS AND ASSIGNS

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

27. COMPLIANCE WITH LAW

CONTRACTOR shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY is a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

28. CALIFORNIA LAW AND JURISDICTION

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

29. EXECUTION OF COUNTERPARTS

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

30. AUTHORITY

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not have breached the terms or conditions of any other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

31. SURVIVAL

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

32. PRECEDENCE

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

Agreement for Services of Independent Contractor between the County of Santa Barbara and Geosyntec Consultants

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by COUNTY.

ATTEST:

Mona Miyasato
County Executive Officer
Clerk of the Board

By: *Shirley Maguerra*
Deputy Clerk

COUNTY OF SANTA BARBARA:

By: *Steve Lavagnino*
Steve Lavagnino, Chair
Board of Supervisors

Date: 7-16-24

RECOMMENDED FOR APPROVAL:

PUBLIC WORKS DEPARTMENT

DocuSigned by:
Chris Sneddon
67CEC4FE68B848C
Chris Sneddon, Director
Department Head

CONTRACTOR:

GEOSYNTEC CONSULTANTS

DocuSigned by:
Yonas Zemuy
86E80E074AB2481...
Authorized Representative

Name: Yonas Zemuy
Title: Senior Principal Engineer

APPROVED AS TO FORM:

Rachel Van Mullem
County Counsel

DocuSigned by:
Johannah Hartley
C156A3FB83E7454...
Johannah Hartley
Deputy County Counsel

APPROVED AS TO ACCOUNTING FORM:

Betsy M. Schaffer, CPA
Auditor-Controller

DocuSigned by:
Juan Izquierdo
E1998593A4304B7...
Deputy

APPROVED AS TO FORM:

Gregory Milligan, ARM
Risk Management

DocuSigned by:
Greg Milligan
05F333F00289406...
Risk Management

EXHIBIT A

STATEMENT OF WORK

CONTRACTOR agrees to provide COUNTY engineering services as identified in the attached proposal dated June 5, 2024 (Attachment A1). CONTRACTOR agrees that work will only commence at the issuance of a written Notice to Proceed by the Public Works Director or Director's designee.

EXHIBIT B

PAYMENT ARRANGEMENTS

Periodic Compensation

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total contract amount, including cost reimbursements, not to exceed \$ **1,436,604**.
- B. Payment for services and /or reimbursement of costs shall be made upon CONTRACTOR's satisfactory performance, based upon the scope and methodology contained in **EXHIBIT A** as determined by COUNTY.
- C. Monthly, CONTRACTOR shall submit to the COUNTY DESIGNATED REPRESENTATIVE an invoice or certified claim on the County Treasury for the service performed over the period specified. These invoices or certified claims must cite the assigned Board Contract Number. COUNTY REPRESENTATIVE shall evaluate the quality of the service performed and if found to be satisfactory shall initiate payment processing. COUNTY shall pay invoices or claims for satisfactory work within 30 days of receipt of correct and complete invoices or claims from CONTRACTOR.
- D. COUNTY's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of COUNTY's right to require CONTRACTOR to correct such work or billings or seek any other legal remedy.

EXHIBIT C

Indemnification and Insurance Requirements (For Design Professional Contracts that also Include Non-Design Services)

INDEMNIFICATION

A. Indemnification pertaining to Design Professional Services:

CONTRACTOR agrees to fully indemnify and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, suits damages, costs, expenses, judgments and/or liabilities that arise out of, or pertain to, or relate to the negligence, recklessness, or willful misconduct of the CONTRACTOR and its employees, subcontractors, or agents in the performance of services under this Agreement. The indemnity includes the cost to defend COUNTY to the extent of the CONTRACTOR'S proportionate percentage of fault. Should one (or more) defendants be unable to pay its share of the defense costs due to bankruptcy or dissolution of the business, CONTRACTOR shall meet and confer with other parties regarding unpaid defense costs and CONTRACTOR shall pay COUNTY'S cost of defense to the fullest extent permitted by law.

B. Indemnification pertaining to other than Design Professional Services:

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. CONTRACTOR'S indemnification obligation applies to COUNTY'S active as well as passive negligence but does not apply to COUNTY'S sole negligence or willful misconduct.

NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

CONTRACTOR shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

INSURANCE

CONTRACTOR shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the CONTRACTOR, its agents, representatives, employees or subcontractors.

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

- 1. Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
- 2. Automobile Liability:** Insurance Services Office Form Number CA 0001 covering, Code 1 (any auto), or if CONTRACTOR'S has no owned autos, Code 8 (hired) and 9 (non-owned), with limit no less than \$1,000,000 per accident for bodily injury and property damage.

3. **Workers' Compensation:** Insurance as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. **(Not required if CONTRACTOR provides written verification it has no employees)**
4. **Professional Liability** (Errors and Omissions) Insurance appropriate to the CONTRACTOR'S profession, with limit of no less than \$2,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the CONTRACTOR maintains broader coverage and/or higher limits than the minimums shown above, the COUNTY requires and shall be entitled to the broader coverage for and/or the higher limits maintained by the CONTRACTOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the COUNTY.

B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – COUNTY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR'S insurance at least as broad as ISO Form CG 20 10 11 85 or both CG 20 10, CG 20 26, Cg 20 33 or CG 20 38; and CG 20 37 if a later revisions used).
2. **Primary Coverage** – For any claims related to this Agreement, the CONTRACTOR'S insurance coverage shall be primary insurance as respects the COUNTY, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR'S insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall state that coverage shall not be canceled, except with notice to the COUNTY.
4. **Waiver of Subrogation Rights** – CONTRACTOR hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the COUNTY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Self-insured retentions must be declared to and approved by the COUNTY. The COUNTY may require the CONTRACTOR to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or COUNTY.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – CONTRACTOR shall furnish the COUNTY with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the COUNTY before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the CONTRACTOR'S obligation to provide them. The CONTRACTOR shall furnish evidence of renewal of coverage throughout the term of the

Agreement. The COUNTY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.
9. **Subcontractors** – CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and CONTRACTOR shall ensure that COUNTY is an additional insured on insurance required from subcontractors.
10. **Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:
 - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
 - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
 - iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONTRACTOR must purchase “extended reporting” coverage for a minimum of five (5) years after completion of contract work.
11. **Special Risks or Circumstances** – COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.



COST PROPOSAL

For Construction Management & Construction Quality Assurance Services for Tajiguas Sanitary Landfill Groundwater Protection System Phase IVA Project – County Project No. 828985

June 5, 2024

Prepared by:



Prepared for:



SANTA BARBARA COUNTY
Resource Recovery &
Waste Management Division
Innovative Environmental Solutions



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924 Ancapa Street, Suite 4A
Santa Barbara, California 93101
P 805 897 3800
www.geosyntec.com

June 5, 2024

Ms. Jamie Perry, PE
County Project Manager
County of Santa Barbara, Public Works Department
Resource Recovery & Waste Management Division
130 E. Victoria Street, Suite 100
Santa Barbara, California 93101

Subject: Cost Proposal for Construction Management and Construction Quality Assurance Services for Tajiguas Landfill - Groundwater Protection System Phase IVA Construction Project No. 828985

Dear Ms. Perry:

1. INTRODUCTION

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this cost proposal to provide Construction Management and Construction Quality Assurance (CQA) services in support of construction of the Phase IVA Groundwater Protection System project. This cost proposal is provided based on your email request dated May 31, 2024, following the notice of the selection of our Statement of Qualifications for this project.

This cost proposal contains Geosyntec's proposed fee schedule and brief project approach in the form of scope of work, schedule, and cost estimate. A detailed scope of work for this project was provided in our Statement of Qualifications.

2. SCOPE OF WORK AND SCHEDULE

Geosyntec has organized the scope of work into the following tasks:

- **Task 1:** Construction Management Services
- **Task 2:** Construction Quality Assurance Services
- **Task 3:** Engineering Support Services
- **Task 4:** Participation in Meetings
- **Task 5:** Project Closeout Reports
- **Task 6:** Project Management

Task 1: Construction Management Services

As described in detail in our statement of qualifications, the Geosyntec Team will perform contract administration and construction management during pre-construction activities, the construction phase, and post-construction period in accordance with the requirements outlined in the RFQ. Geosyntec will establish and implement coordination procedures between the County, the Design Engineers (SWT Engineers, SWT), contractors, and regulators. SWT will also serve as a CM sub-consultant during the construction and post-construction phase of the project, bringing in valuable site-specific experience, and will report directly to our Project Manager.

Pre-construction Phase

Prior to the start of construction, Geosyntec's Construction Manager (CM) will work with the County and SWT to develop the format for all project files and pertinent project documents. These project documents include, but not limited to:

- Contract documents (Contract/Agreements, Instruction to Bidders, Bid Schedule, Subcontractor Listing, Bonds & Insurance, Non-Collusion Affidavits, General Conditions, Special Conditions, Technical Specifications, and CQA Requirements).
- Relevant permits and requirements from local governments and regulatory agencies.
- Required safety documentation and equipment.
- Appropriate reference specification, standards, and standard plans.
- Notice to Proceed and contract time accounting procedure and documentation.
- Project personnel and emergency contact information.
- Correspondence logs.
- Submittal and request for information (RFI) logs.
- Formats for daily construction reports, progress payment in compliance with County's standards, project photographic log, record drawings.
- Contract change order documentation and approval procedures.

Geosyntec's team will review relevant project-related documents and provide a summary to the County, outlining any comments or areas requiring clarification prior to initiating a pre-construction meeting.

The CM will schedule a pre-construction meeting, for which the agenda will be prepared in coordination with the CQA Officer and County's Project Manager. At minimum, the agenda will include:

- Introduction of project participants (County, General Contractor, Regulatory Agencies, CQA Personnel, Design Engineers, and Subcontractors).
- Lines of communication.
- Project health and safety issues.

- Emergency notification procedures.
- Contractor project schedule.
- Review of CQA & CM project requirements.
- Procedures and approvals for RFIs, change order / extra work.
- Review of site-specific concerns.
- Survey requirements.

Construction Management and Documentation

The CM will coordinate the overall progress of the project and evaluate the needs of specific project based on the level of activities represented on the contractor's schedule and as dictated by field conditions. The CM will prepare and provide detailed reports of the contractor's activities, including any deviations from the project plans/specifications and CQA Plan. The deviations and variances will be documented and maintained on a "cumulative punch-list" until repairs and/or remediation activities are completed.

Geosyntec's team understands the importance of detailed documentation on all aspects of a construction project. Construction documentation provides not only a project history but is quite often the basis for resolving potential outstanding issues. Clarification or adjustment of payment limits, extra work, and changed or unforeseen conditions, and ultimately, an evaluation of the completeness of the project, will all be dependent upon accurate construction documentation. In addition, the construction documentation will be used to gain approval to utilize the lined area for refuse disposal operations.

Below is a brief description of typical documentation that will be maintained during a project.

Submittals, RFIs and Design Clarifications

The CM will coordinate with the CQA officer to determine the minimum submittal requirements outlined in the project specifications. The CM will coordinate reviews of submittals, RFIs, and design clarifications with the Design Engineer and the CQA Officer, as most submittals, RFIs, and design clarifications will be reviewed and approved by the Design Engineer, and if applicable, the CQA Officer. The CM will document and maintain a log for submittals, RFIs, and design clarifications, which will also include receipt and review dates and responsible parties.

Progress Meeting Minutes

The CM will schedule and chair progress meetings (currently assumed to be bi-weekly, but will be adjusted based on construction activities) to review and document the following items:

- Contract time summary to date.
- Progress and schedule review.
- Submittal, RFI, and Design Clarification reviews.

- Amendments/corrections to previous meeting minutes.
- Health and Safety issues.
- CQA review and discussion of issues.
- Progress payment, if applicable.
- Review of any out-of-scope or extra work items.
- Review of changed or unforeseen conditions that have been identified by the Contractor.
- Set up resolution meetings to discuss and resolve specific issues.

Progress Reports (Daily, Weekly, and Monthly)

Daily reports will contain the following information: weather conditions; names, of visitors and agency/supplier represented; material and equipment deliveries, general observations and description of work performed. Weekly Reports will be submitted to the County summarizing the work performed by the contractor, status of submittals, and schedule progress.

Monthly report will be submitted electronically to the County by the 10th of the month following the reporting period. The monthly report will include description of significant events and major decisions made, progress made, discussion of issues and changes, description of pending change orders and potential impact on schedule and cost, and discussion of new roles, updated construction schedule, status of contract funds including spent and remaining budgets.

Geosyntec will collect documents and maintain a project file on site. The project file will include correspondence, minutes of meetings, shop drawings, submittals, copy of original contract documents and all addenda, change orders, field orders, drawings issued after the execution of the original contract documents, clarifications and interpretations of the contract documents, progress reports, and other related documents. Prior to the final acceptance of the project, Geosyntec's team will deliver these documents to the County and Design Engineer for review.

Construction Oversight and Resident Engineer Duties

Geosyntec's CM(s) will perform regular site observations of the work in progress to determine if the work is progressing in accordance with the contract documents. The CM will consider and evaluate contractor's suggestions for modifications to the contract documents and report them with recommendations to the County and Design Engineer. Geosyntec will also transmit clarifications and interpretations of the contract design or contract documents to the contractor, design engineer, and the County. Geosyntec will develop and implement a plan to digitally record color photographs and video of the progress of each project. Photos will be logged and included in the monthly progress report. Geosyntec will also maintain a record of names, addresses and telephone numbers of contractors, subcontractors, and major supplier of materials and equipment. Geosyntec will request and review Certified Prevailing Wage Payroll to be submitted by the contractor. The certified payroll records will be filed and made available to the County.

Geosyntec's CM(s) will also act as liaison between the contractor, landfill gas system operators (SCS Engineers), the ReSource Center Manager, CQA Monitor(s), and the County representatives in order to maintain landfill operations during construction and to coordinate the scheduling of construction activities that might impact current landfill operations.

Payment and Substantial Completion

Monthly progress payment applications will be prepared based upon the schedule of values agreed upon by the County and the contractor. Progress Pay Estimates submitted by the contractor will be reviewed by Geosyntec to determine if the request is consistent with physical completion, the pre-established schedule of values, and if requesting payment for change orders, the contractual change will be used as a basis for evaluating the request for payment. A progress payment package will include the contractor's invoice, contract summary and signature page, and Contractor's Detailed Monthly Application for Payment. Variations will be brought to the attention of the contractor and resolved before submittal of the payment package to the County.

Geosyntec will also assist the County in determining final completion and when work is ready for final inspection. Geosyntec will coordinate a joint final inspection including the County, the Design Engineer, the CQA team, and the contractor and prepare final punch lists of items to be completed or corrected. Geosyntec will determine when all items on the final punch list have been completed or corrected and make recommendations to the County regarding acceptance. Geosyntec will assist the County in following up on defective work performed by the contractor that is covered by warranties.

Geosyntec has prepared the cost estimate for the construction management services based on an assumed 8 hour workday for the duration of the project, from August 2024 to December 2025.

Task 2: Construction Quality Assurance Services

Geosyntec will provide CQA services that includes CQA monitoring, sampling, field testing, and documenting liner system, basin, and site improvement construction. CQA services performed by Geosyntec will be in general accordance with the CQA plan, the project plans, and specifications. While on site, Geosyntec will be involved in general, earthwork, geosynthetic, and site improvement field activities.

Although not mentioned in the CQA Plan and project specifications, Geosyntec has assumed that our CQA Monitors will be performing CQA field testing (slump tests) and preparing specimens for laboratory testing on the concrete material to be placed during the construction of the basin. The concrete CQA testing will be performed at a frequency of one test per 100 cubic yards of concrete placed, based on our experience with working on similar projects.

Laboratory testing will be performed in general accordance with the project specifications and the CQA plan. Geosyntec assumes that the following laboratory testing will be performed:

- Engineering Classification by ASTM D2487
- Moisture-Density Relationship by ASTM D1557
- Atterberg Limits by ASTM D4318
- Particle Size Analysis (Engineered Fill, Low-Permeability Layer, and Protective Soil Cover) by ASTM D6913
- Particle Size Analysis (Gravel) by ASTM C136
- Hydraulic Conductivity/Permeability (Low Permeability Material) by ASTM D5084
- Hydraulic Conductivity/Permeability (Drainage Gravel) by ASTM D2434

Geotechnical laboratory testing will be conducted by Excel Geotechnical Testing, with which Geosyntec has had a long-term working relationship. Material testing of concrete samples will be performed at a qualified soil testing laboratory.

All geosynthetics laboratory testing will be the responsibility of the geosynthetics contractor. It is assumed that other potential incidental miscellaneous laboratory testing expenses will be the responsibility of others.

Geosyntec has budgeted a total of 920 hours (based on 92 days at 8 hours work day plus 2 hours for preparation, communication and safety discussions per day) for Lead CQA Monitor time. Geosyntec has also budgeted for up to 300 hours (based on 30 days) for a supporting CQA Monitor to provide CQA services) during the geosynthetics installation and concrete basin construction phase. The assumed hours includes CQA Monitor time onsite for grading, engineered fill placement, geosynthetic deployment and seaming, LCRS system installation, and protective soil cover placement.

Task 3: Engineering Support Services

During the pre-construction phase of the project, Geosyntec's will prepare a site-specific health and safety plan for the activities carried out by Geosyntec's team. Geosyntec's CQA team will also work with our CM in performing a construction review of the project documents and provide comments to the CM. Additionally, Geosyntec will work on setting up a project-specific database to host the project documents and CQA data.

During the course of the project, Geosyntec's team will assist the CM and Design Engineer with the reviewing and responding to contractor submittals, RFIs, and design clarification requests, as required. Geosyntec's team will also provide technical and engineering supports to the CM and CQA Monitor(s) during the CQA phase of the project to provide geologic support, to coordinate and review laboratory test data, and to address/respond to technical matters

pertaining to the groundwater protection system Phase IV-A construction that may arise during the project.

Geosyntec has budgeted up to 390 professional and administrative hours to provide as-needed engineering support services during the project.

Task 4: Participation in Meetings

During the course of the project, Geosyntec's CM(s) will schedule and hold various meetings. Geosyntec CQA Officer, CQA Manager, and CQA Monitor(s) will participate in various meetings as-required, including:

- One in-person project kick-off meeting to be attended by the CQA Manager, CQA Officer, and on-site CM.
- Up to 36 bi-weekly progress meetings (assumed duration 2 hours each) to be attended by the CQA Officer.
 - Up to 20 of these meetings will be attended virtually.
 - Up to 16 of these meetings will be attended in-person, including all progress meetings held during the construction phase of the project.
- Up to 2 special meetings (assumed duration 2 hours each) in person, if requested, to be attended by the CQA Manager;
- One Earthwork and one Geosynthetic pre-construction meeting (one full day in person) to be attended by the CQA Officer and CQA Monitor(s); and
- One in-person project closeout meeting to be attended by the CQA Manager, CQA Officer, and on-site CM.

Task 5: Project Close Out and CQA Reports

CQA Report

At the completion of construction, Geosyntec will prepare a CQA report that will document the quality of construction in general accordance with the project documents. The report will contain a narrative description of significant aspects of the field and laboratory CQA activities undertaken by Geosyntec. Geosyntec will include documentation of construction activities (presented on the field logs and weekly reports) as appendices to the report. Where CQA data differs from the specifications, the CQA Report will explain the deviations and any effect the deviation is expected to have on the performance of the liner system (if any).

Geosyntec will start preparing the draft CQA report as the placement of protective soil cover activities commences following the completion of the liner system installation. Geosyntec will provide the County with an initial draft of the report within three weeks of the completion of the liner installation. Subsequently, Geosyntec will submit a final report to the County within one (1)

week after receiving comments from the County. In coordination with the County, and if requested, Geosyntec will prepare a request to the RWQCB for a conditional approval for waste placement in the completed Phase IV-A liner system ahead of the submission of the final CQA Report, as submitted previously during the construction of the last few Phases of the GWPS.

Geosyntec's CQA Manager, a registered Professional Engineer (P.E.) in the State of California, will sign and seal the final report of CQA field activities.

As-built Record Drawings

During the closing stages of the construction phase and during the post-construction phase, Geosyntec will work with the Contractor's surveyor to obtain as-built record survey documents. Geosyntec will collect the data and maintain records of the as-built surveys, project plans, and documents for reference by the County and other agencies. Geosyntec will periodically review red-lined plans prepared by the contractor showing as-built condition to determine accuracy and completeness prior to being transferred to reproducible as-built plans. At the completion of the project, Geosyntec will review the contractor generated as-built plans, and assist the Design Engineer, for accuracy, completeness, and certification prior to submittal to the County.

Construction Close Out Report

Geosyntec's CM, in coordination with the Design Engineer and CQA Officer, will prepare the draft and final Construction Close Out (Certification) Reports in accordance with the CQA Plan. The final report will include the field notes, field records, completed field correspondences, project photographs, all approved modifications to the plans and specifications, and a narrative description of the project: liner system construction observation and field test results. The CQA Report will be referenced in the Close Out Report and any approved changes. All plans, specifications, manuals, and technical reports reviewed or utilized during the project will be appropriately referenced in the report.

Project close out procedures will begin well before the end of construction. All submittals should have been received by this time and the CM will also verify receipt of any Manufacturers warranties, record drawings, or other required literature or documentation.

At the completion of the project close out procedure, Geosyntec's team will submit to the County all project photographic logs, final as-built plans, and CQA Report as part of the Close Out Report. This Close Out Report will include all meeting minutes per the request of the RWQCB.

The final Construction Close Out Report will include a statement certifying that the groundwater protection system was constructed in general accordance with the Project Plan and Special Provisions, and any design changes made to those documents.

Task 6: Project Management

Geosyntec's Project Manager and CQA Officer, Mr. Karthik Viswanathan will be responsible for managing project. Mr. Yonas Zemuy, P.E. will serve as the Project Director and CQA Manager and periodically assist Mr. Viswanathan on technical matters requiring special attention.

Geosyntec has budgeted one hour per week for the CQA Manager and up to two hours per week for CQA Officer for project management during the course of the project. Geosyntec has also budgeted for up to two hours per week for administrative support.

3. SCHEDULE

Based on the project schedule provided in the RFP, Geosyntec understands that the notice to proceed (NTP) would be issued by the end of July 2024 and the project will start in August 2024. Geosyntec assumes that a Construction Manager will be present on-site full-time during the approximately 16 month duration of the project (August 2024 to December 2025). Geosyntec also assumes that a Lead CQA Monitor will be present on-site full-time during construction phase of this project, which is anticipated to commence in May 2025 and will continue for approximately 4 months. Geosyntec has also budgeted for a Support CQA Monitor for up to 6 weeks (30 days) during the geosynthetics installation and concrete basin construction phase.

4. COST ESTIMATE

This cost proposal is intended to cover the period from the beginning of project in August 2024 to the completion of project by the end of December 2025. This includes approximately 17 months of Construction Management services during the entirety of the project and approximately 4 months of Construction Quality Assurance Services during the construction phase of the project. If the actual construction schedule differs, Geosyntec will renegotiate in good faith with the County, the rates provided in our attached rate sheet or submit a change order request for the anticipated additional scope of work.

Assumptions

Geosyntec made the following assumptions in preparing the cost estimate:

- **Project Documents:** The County will make available a sufficient number of copies of the project documents (including a set of full-size drawings) for the site personnel at the pre-construction meeting.
- **Health and Safety Plan:** The owner or contractor will provide: (i) their own necessary Health and Safety Plan for the scope of work described herein; and (ii) any necessary monitoring equipment. Geosyntec will develop its own Health and Safety Plan for the activities carried out by Geosyntec's team.

ATTACHMENT A1

- **Expenses:** Geosyntec will invoice costs for expenses (including vehicle, per diem, mileage, and other project-specific purchases and expenses). Geosyntec details these expenses in the attached cost breakdown tables.
- **Travel:** Geosyntec will bill travel expenses at cost plus markup indicated in our rate schedule; however, Geosyntec will not bill the County for costs associated with personnel rotation travel, should it occur.
- **Charged Time:** Hours worked on the project will be billed at the rates indicated in the attached Schedule of Fees (these rates are also utilized in the project cost build-up). The cost estimate assumes that the Construction Manager(s) is required to perform work for no more than 8 hours per day. The cost estimate also assumes that the CQA Monitor(s) is required to perform work no more than 10 hours per day and will be paid based on prevailing wage laws. Overtime rates are provided in the fee Schedule. If CQA staff work federal statutory holidays (i.e., Thanksgiving Day, Christmas, etc.), the rates provided will be doubled for hours worked on these days, in accordance with prevailing wage laws.
- **Accommodations and Meals:** Geosyntec will bill a per diem of \$74 per person per calendar day for meals in general accordance with per diem requirements for Santa Barbara County for non-local Geosyntec team members. In addition, Geosyntec will bill for required lodging at \$225 per calendar day per person. In the event of inclement weather or construction delays, Geosyntec will bill for accommodations for on-site personnel regardless of days not worked.
- **Vehicle:** Geosyntec proposes to provide a rental/company vehicle for use by Geosyntec personnel on site. The estimated costs for this vehicle (\$135 per workday), included in the budget estimate, include the costs of fuel and maintenance.
- **Consumables:** Geosyntec estimates that \$3,000 for the project will cover the cost of field supplies (small tools, markers, paint, soil sample supplies, concrete sampling equipment, etc.), and will be billed at cost plus 12% markup.
- **On-Site Facilities:** Based on information provided in the RFP, we understand that Geosyntec's CM and CQA personnel may utilize the following County facilities: conference room with Wi-Fi, restrooms and kitchen facilities, and secured storage for equipment.
- **Field Equipment:** Geosyntec will provide a nuclear moisture/density gauge for use by CQA personnel. The estimated cost indicated in Table 3 for these items includes shipping costs to and from the site and includes the total rental charges for the equipment. Geosyntec understands that the County will provide a proper overnight storage area for the nuclear gauge, which requires special handling and lockdown.

- **Change Orders:** Changes to the scope of work for CM and CQA services (including number of working days, field monitors, and laboratory testing requirements) must be approved in writing between the County and Geosyntec. Changes can be approved on a Geosyntec Field Change Order Form or an appropriate County form.
- **Field and Laboratory Testing:** Geosyntec developed the cost estimate assuming that the field and laboratory testing requirements and material quantities presented in this proposal are appropriate. Additional testing, if required due to failing materials or other reasons, will be conducted per the rates in this proposal with County approval prior to conducting the tests.

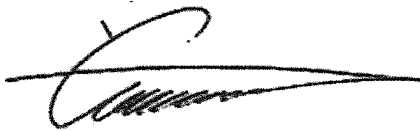
Proposed Fee

Geosyntec proposes to bill for its services on a time and material basis. An estimate of the cost breakdown is included in Tables 1 through 4. The estimated cost for providing the scope of services detailed in this proposal and our Statement of Qualifications is **\$1,436,604**. For budgeting purposes, Geosyntec has also included an additional ten percent (10%) contingency for the overall project cost estimate, thus the total cost estimate including the 10% contingency is **\$1,580,264**. Geosyntec will invoice costs for expenses incurred related directly to providing this CM, CQA, and engineering support services.

5. CLOSING

Geosyntec is enthusiastic about working with the Santa Barbara County Public Works Department on this important project. Please contact either Yonas Zemuy or Karthik Viswanathan at the numbers provided below if you have any questions or comments or if you need additional information.

Sincerely,
Geosyntec Consultants



Yonas Zemuy, PE
Project Director/CQA Manager
Direct: (714) 465-1256
E-mail: yzemuy@Geosyntec.com



Karthik Viswanathan, EIT
Project Manager/CQA Officer
Direct: (714) 465-1250
E-mail: kviswanathan@geosyntec.com

Attachments:

Cost Breakdown Estimate Tables 1-4

Geosyntec Rate Schedule

COST ESTIMATE BREAKDOWN TABLES 1-4

ATTACHMENT A1



TABLE 1
Summary Cost Estimate
Groundwater Protection System Phase IVA CM and CQA Services
Tajiguas Sanitary Landfill
Santa Barbara County, California

Task Number	Task	Labor Category and Rate in \$/hour													Direct And Indirect Expenses							TOTAL	
		Senior Principal	Senior Professional	Project Professional	Senior Staff Professional	Senior Technician (Non-Prevailing Wage)	Senior Technician (Prevailing Wage)	Site Manager (Non-Prevailing Wage)	Site Manager (Prevailing Wage)	Senior Construction Manager	Senior Designer	Senior Drafter/Senior CADD Operator	Project Administrator	Clerical	Labor Subtotal	Miscellaneous Expenses ⁽¹⁾	Communications Fee	Computer Expenses	Field Expenses	Subconsultant Expenses	Laboratory Testing Expenses		Subtotal Direct & Indirect Expenses
		\$115	\$275	\$245	\$194	\$119	\$155	\$143	\$155	\$230	\$205	\$155	\$95	\$75		3%	\$15	12%	12%	12%			
1.0	Construction Management Services									1,304					\$299,920	\$250	\$8,998		\$22,005	\$476,155		\$507,608	\$807,528
2.0	Construction Quality Assurance Services					200	100	600	320						\$174,700	\$250	\$5,241		\$83,936		\$28,470	\$117,897	\$292,597
3.0	Engineering Support Services	52	90	62	150						10	10	8	8	\$90,380	\$250	\$2,711	\$300				\$3,261	\$93,641
4.0	Participation in Meetings	32	146	54											\$63,460		\$1,904		\$9,760			\$11,664	\$75,124
5.0	Project Closeout Reports	22	76		100					20	28	34		10	\$63,590	\$300	\$1,908	\$930		\$13,689		\$17,026	\$80,616
6.0	Project Management & Administration	72	104	40									72	72	\$73,320	\$250	\$2,200			\$11,328		\$13,777	\$87,097
ESTIMATED TOTAL (without Contingency)		178	416	156	250	200	100	600	320	1,324	38	44	80	90	\$765,370	\$1,500	\$22,961	\$1,230	\$115,701	\$501,371	\$28,470	\$671,234	\$1,436,604
Contingency (10%)															\$76,537	\$150	\$2,296	\$123	\$11,370	\$50,137	\$2,847	\$67,123	\$143,660
ESTIMATED TOTAL (including Contingency)		178	416	156	250	200	100	600	320	1,324	38	44	80	90	\$841,907	\$1,650	\$25,257	\$1,353	\$127,271	\$551,508	\$31,317	\$738,357	\$1,580,264

Notes:
 1. Miscellaneous expenses include reproduction costs.

ATTACHMENT A1

TABLE 2
Estimated Laboratory Testing Expenses
Groundwater Protection System Phase IVA CM and CQA Services
Tajiguas Sanitary Landfill
Santa Barbara County, California

Type of Test	ASTM Standard	No. of Tests	Unit Price	Total Cost
Engineering Classification (Engineered Fill, PSC, Low-Permeability Material)	D2487	22	\$15	\$330
Sieve Analysis (Engineered Fill, PSC, Low-Permeability Material)	D6913	22	\$200	\$4,400
Atterberg Limits (Engineered Fill, PSC, Low-Permeability Material)	D4318	22	\$140	\$3,080
Modified Proctor Moisture-Density Relationship (Engineered Fill, PSC, Low-Permeability Material)	D1557	22	\$270	\$5,940
Hydraulic Conductivity/Permeability (Low-Permeability Layer)	D5084	4	\$510	\$2,040
Sieve Analysis (Drainage Gravel)	C136	11	\$160	\$1,760
Hydraulic Conductivity/Permeability (Drainage Gravel)	D2434	6	\$395	\$2,370
Concrete Compressive Strength	C39	15	\$200	\$3,000
Sub-total				\$22,920
Shipping Costs	LS	1	\$2,500	\$2,500
TOTAL - LABORATORY TESTING				\$25,420

Notes:

1: Number of tests performed will not exceed the estimate above without written approval from the County

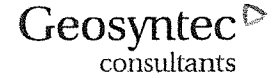
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TABLE 3
Estimated Field and Lodging Expenses
Groundwater Protection System Phase IVA CM and CQA Services
Tajiguas Sanitary Landfill
Santa Barbara County, California

Task	Unit	Rate	Quantity	Total
Construction Management Services				
Company Vehicle Rental (CM)	Day	\$135	163	\$22,005
Construction Quality Assurance Services				
Company Vehicle Rental (Lead CQA Monitor)	Day	\$135	92	\$12,420
Company Vehicle Rental (Support CQA Monitor)	Day	\$135	30	\$4,050
Per Diem (Lead CQA Monitor)	Day	\$74	133	\$9,842
Per Diem (Support CQA Monitor)	Day	\$74	42	\$3,108
Lodging (Lead CQA Monitor)	Day	\$225	133	\$29,925
Lodging (Support CQA Monitor)	Day	\$225	42	\$9,450
Nuclear Gauge Rental	Week	\$420	15	\$6,300
Field Supplies	NTE	\$3,000	1	\$3,000
Participation in Meetings				
Company Vehicle Rental (CQA Manager)	Day	\$135	4	\$540
Company Vehicle Rental (CQA Officer)	Day	\$135	20	\$2,700
Per Diem (CQA Officer)	Day	\$74	20	\$1,480
Lodging (CQA Officer)	Day	\$225	20	\$4,500
TOTAL - FIELD EXPENSE				\$109,320

Notes:

1. Company Vehicle Rental is inclusive of gasoline expenses.

ATTACHMENT A1



TABLE 4
Estimated Subconsultant Expenses
Groundwater Protection System Phase IVA CM and CQA Services
Tajiguas Sanitary Landfill
Santa Barbara County, California

Task	Unit	Rate	Quantity	Total
Pre-construction Phase	T&M	\$2,037	1	\$2,037
Construction Management Services - Sequence 1	T&M	\$38,480	1	\$38,480
Construction Management Services - Sequence 2	T&M	\$384,800	1	\$384,800
Construction Closeout Report	T&M	\$12,222	1	\$12,222
Project Management/Meetings	T&M	\$10,114	1	\$10,114
TOTAL - SUBCONTRACTOR EXPENSE				\$447,653

GEOSYNTEC RATE SCHEDULES

GEOSYNTEC CONSULTANTS RATE SCHEDULE

Staff Professional	\$168
Senior Staff Professional	\$194
Professional	\$220
Project Professional	\$245
Senior Professional	\$275
Principal	\$299
Senior Principal	\$315
Senior Technician (Non-Prevailing Wage)	\$119
Senior Technician (Prevailing Wage)	\$155
Site Manager (Non-Prevailing Wage)	\$143
Site Manager (Prevailing Wage)	\$155
Construction Manager	\$194
Senior Construction Manager	\$230
Senior Designer	\$205
Designer	\$170
Senior Drafter/Senior CADD Operator	\$155
Drafter/CADD Operator/Artist	\$140
Project Administrator	\$ 95
Clerical	\$ 75
Direct Expenses	Cost plus 12%
Subcontract Services	Cost plus 12%
Technology/Communications Fee	3% of Professional Fees
Specialized Computer Applications (per hour)	\$15
Personal Automobile (per mile)	Current Gov't Rate
Company Field Vehicle (per workday)	\$135
Per Diem (per calendar day)	\$74
Lodging (per calendar day)	\$225
Photocopies (per page)	\$0.09

[REDACTED]

Unless otherwise agreed, rates will be adjusted annually based on a minimum of the Producer Price Index
for Engineering Services.

Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.
Construction management fee presented upon request.



REQUEST FOR QUALIFICATIONS

For Construction Management & Construction Quality Assurance Services for Tajiguas Sanitary Landfill Groundwater Protection System Phase IVA Project – County Project No. 828985

May 23, 2024

Prepared by:



Prepared for:



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1. Transmittal Letter

May 23, 2024

Ms. Jamie R. Perry, PE
County Project Manager
County of Santa Barbara, Public Works Department
Resource Recovery & Waste Management Division
130 East Victoria Street, Suite 100
Santa Barbara, CA 93101

Subject: Request for Qualifications for Construction Management and Construction Quality Assurance Services for Tajiguas Sanitary Landfill Groundwater Protection System Phase IVA Construction Project No. 828985

Dear Ms. Perry,

Geosyntec Consultants, Inc. (Geosyntec) is delighted to submit this Statement of Qualifications (SOQ) for Construction Management (CM) and Construction Quality Assurance (CQA) services in response to the Request for Qualifications (RFQ) issued by the Santa Barbara County Public Works Department, Resource Recovery and Waste Management Division (County) on May 2, 2024, for Project No. 828985.

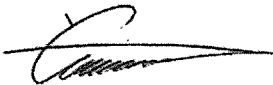
Geosyntec is enthusiastic about continuing to work with the County on this groundwater protection system project, and we look forward to discussing our qualifications with you at your convenience in the near future.

Per the RFQ requirements, we are respectfully submitting our SOQ through the PlanetBids system as requested in the RFQ.

We look forward to continuing our long and successful partnership with the County by committing our services and resources to this very important project. **As we have demonstrated in the past, we will do whatever it takes to meet the objectives of this project and satisfy the County and we will negotiate in good faith a project agreement with the County that reflects the agreed-upon terms and conditions.** Additionally, to substantially increase project success, Geosyntec is teaming up with SWT as our subconsultant to provide CM services during the construction phase of the project. SWT brings extensive knowledge about the project and long successful history of working with Geosyntec. Our combined teams are set up to help the County achieve greatest potential for success on this project.

Please feel free to contact Yonas Zemuy or Karthik Viswanathan at the contact numbers listed below if you have any questions, comments, or would like additional information.

Sincerely,



Yonas Zemuy, PE_(CA, AZ, NV, ID)
Project Manager/CQA Manager
Direct: (714) 465-1256
Email: yzemuy@geosyntec.com



Karthik Viswanathan, EIT_(CA)
Assistant Project Manager/CQA Officer
Direct: (714) 465-1250
Email: kviswanathan@geosyntec.com

2. Consultant Information, Qualifications, & Experience

CONSULTANT INFORMATION

- a. **Office(s) located near Santa Barbara that will service this project:**
- Santa Barbara: 118 E Carillo St. Santa Barbara, CA 93101
 - Ventura: 532 East Main Street Suite 200 Ventura, CA 93001
 - Orange County: 3530 Hyland Ave Suite 100 Costa Mesa, CA 92626
- b. **Number of years the company has maintained offices in Southern California:** 35 years
- c. **Point of Contact:** Yonas Zemuy, PE, Project Manager/CQA Manager, (714) 465-1256, yzemuy@geosyntec.com

PROJECT EXPERIENCE

PROJECT 1 | Tajiguas Sanitary Landfill Liner Expansion and Closure Construction, Geotechnical Engineering and CQA Services – Santa Barbara County, CA (Geosyntec)

- a. **Contracting agency:** County of Santa Barbara
- b. **Contracting agency Project Manager:** Jamie R Perry, PE
- c. **Contracting agency contact information:**
(805) 882-3625, jperry@countyofsb.org
- d. **Contract amount:** \$1,490,000
- e. **Date of contract:** 2008-2023
- f. **Date of completion:** 2023
- g. **Consultant Project Manager and contact information:** Yonas Zemuy, PE, (714) 465-1256, yzemuy@geosyntec.com



h-j. Project objective / project description / project outcome: See project description below:

Over the past 10 years the landfill went through multiple expansion stages and partial closure. Recently, the increase rate of municipal waste generation necessitated accelerated expansion plans for the Tajiguas Sanitary Landfill.

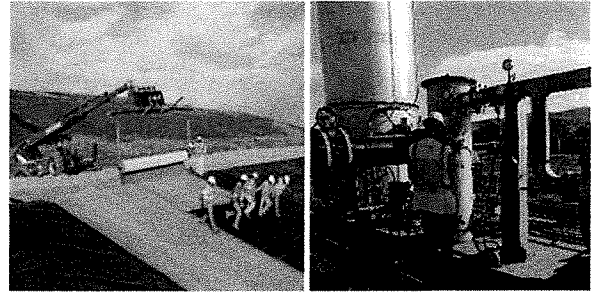
Geosyntec has provided geotechnical engineering and landfill liner CQA services at Tajiguas Landfill for over 12 years during the construction of Phases 2A, 2B, 2C, 3A, 3B, 3C, 3E, and 3F of the groundwater protection system and well as the Phase 3 Part 2 Partial Final Closure.. Both Geosynthetic Clay Liner (GCL) and Compacted Clay Liner (CCL) were utilized. During each project, Geosyntec documented the geosynthetic products used by the contractor and coordinated conformance testing of the products to ensure that the materials installed by the contractor met the project specifications. During geomembrane seaming, Geosyntec field personnel conducted nondestructive and destructive testing of the contractor's work to ensure high quality and environmentally safe products were installed. The field testing and observation activities, which were coordinated to meet the requirements of Central Coast Regional Water Quality Control Board (RWQCB), were documented in a CQA Report for review by the County of Santa Barbara and the RWQCB. Our CQA reports for each phase were readily approved by the RWQCB.

Geosyntec maintain excellent working relationship with the RWQCB both through our CQA work on site and our compliance monitoring work on behalf of the County. All of the liner projects over this period were completed on time and without construction-related claims. Geosyntec's CQA reports have typically been received by the RWQCB within weeks of completion of construction. This expedited reporting allowed for quick regulatory review and occupancy of the cell by the County on schedule. **In the case of Phase IIIB, approval to occupy the cell was issued by the RWQCB prior to the completion of the cell based on Geosyntec's relationship with the RWQCB and the commitment which we fulfilled to deliver the CQA report within two weeks of the completion of construction.**

2. Consultant Information, Qualifications, & Experience

PROJECT 2 | Kekaha Municipal Solid Waste Landfill – Kaua'i, HI (Geosyntec)

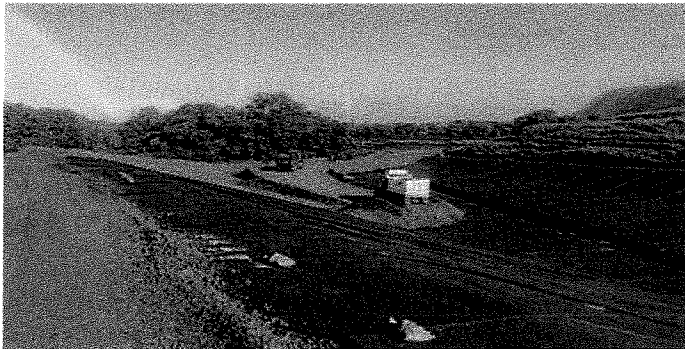
- a. **Contracting agency:** County of Kaua'i Solid Waste Division
- b. **Contracting agency Project Manager:** Allison Fraley
- c. **Contracting agency contact information:**
(808) 241-4837, AFraley@kauai.gov
- d. **Contract amount:** \$5,000,000
- e. **Date of contract:** 2010-2020
- f. **Date of completion:** 2020
- g. **Consultant Project Manager and contact information:**
Mike Minch, PE, GE, Senior Principal, (510) 285-2708, mminch@geosyntec.com



Liner system and landfill components installation during Cell I construction.

h-j. Project objective / project description / project outcome: See project description below:

The Kekaha Sanitary Landfill (Kekaha Landfill) is a 98-acre active MSW landfill owned and operated by the County of Kaua'i (County), consisting of unlined Phase I and Subtitle D-lined Phase II disposal areas. Geosyntec provided comprehensive CQA services between 2010 and 2019 throughout phased construction of 6.3-acre Cell 1, the new leachate pond, the new storm-water infiltration basin, and clean closure of the old leachate pond. Approximately 1 million square feet of HDPE geomembrane were deployed to construct the double-lined containment systems in both Cell 1 and the new leachate pond. Geosyntec also performed confirmation sampling and certification for clean closure of the former pond. To meet the site's urgent airspace needs, **Geosyntec was able to quickly issue three separate CQA reports and obtain regulatory approval from the HDOH within 16 days of the completion of each phase of construction.** Additionally, Geosyntec also provided CQA for the Phase II leachate management system modifications.



Liner system installation during Cell II construction.

In 2019 and 2020, **Geosyntec performed CM and CQA** of the 5.9-acre Cell 2 lateral expansion and repairs to the Phase II containment system. Throughout construction, Geosyntec worked collaboratively with the County, design engineer, and contractor to maintain the project schedule and provide cost savings to the County. One key change was made by seeking and receiving approval from the design engineers and regulatory agency to substitute lead-contaminated soil as a portion of the operations layer, resulting in a small extension of the project schedule, but a net savings of about \$500,000 in construction costs. Geosyntec, on

behalf of the client, negotiated additional credit changes for material substitution proposed by the contractor which was faster to produce. Despite seven change orders throughout the project due to material shortfalls and changed conditions, Geosyntec successfully negotiated credits with the General Contractor, resulting in a final project construction cost within 1.7% of the original bid amount. Geosyntec's CM and CQA team was also sensitive to the schedule constraints of the project. By the time Cell 2A construction was completed on 20 November 2019, the island was in dire need of airspace. Recognizing this urgency, Geosyntec prepared and submitted the CQA report for Cell 2A within seven days of construction completion, allowing the County to begin filling Cell 2A very quickly after construction.

"THIS IS THE COMPLETION OF A SUCCESSFUL PROJECT THAT HAS BEEN ON THE ICDPW'S PLATE FOR ALMOST EIGHT YEARS AND THE DECISION TO REMOVE THE PREVIOUS CONSULT AND ISSUE A RFP THAT EVENTUALLY ENDED WITH THE SELECTION OF GEOSYNTec WAS A WISE CHOICE. "THE ICDPW IS LOOKING FORWARD TO WORKING WITH GEOSYNTec ON THE CRUICKSHANK ILLEGAL DISPOSAL SITE TO SOLVE ANOTHER SOLID WASTE ISSUE. THANK YOU RESPECTFULLY," WILLIAM S. BRUNET, PE, FORMER DIRECTOR OF PUBLIC WORKS, IMPERIAL COUNTY

2. Consultant Information, Qualifications, & Experience

PROJECT 3 | Tajiguas Sanitary Landfill – Santa Barbara County, CA (SWT)

- h. Contracting agency:** County of Santa Barbara
- i. Contracting agency Project Manager:** Travis Spier, PE
- j. Contracting agency contact information:** (805) 681-5626, tspier@countyofsb.org
- k. Contract amount:** \$1,000,000
- l. Date of contract:** 2004-2021
- m. Date of completion:** 2021
- n. Consultant Project Manager and contact information:** Jeremy Botica, PE, (909) 390-1328, jab@swteng.com



Liner system installation of Phase IIIB GWPS Project

h-j. Project objective / project description / project outcome: See project description below:

The Tajiguas Sanitary Landfill is an active Class III municipal solid waste landfill, owned and operated by the County of Santa Barbara. The Tajiguas Sanitary Landfill has been in operation since 1967 for disposal of municipal solid waste.

SWT Engineering, Inc. (SWT) has been providing engineering consulting services and **CM services** to the County of Santa Barbara Department of Public Works Resource Recovery and Waste Management Division (the County) since SWT’s inception and SWT staff has been providing services for the past 20 years. **SWT has completed numerous CM projects successfully for The County which include work for liner projects, drainage improvements, and miscellaneous improvements at the Tajiguas Landfill.**

SWT has performed CM for and engineering support for the following liner construction phases at the Tajiguas Sanitary Landfill: Phase IIC, Phase IIIA, Phase IIIB, Phase IIIC, and Phase IIID.

The CM work included pre-construction meeting and bi-weekly construction meetings to maintain project coordination and communications; perform field observation services to evaluate construction activity conformance with the Plans and Specifications; review and consult with the County and Contractor on technical issues that arise during construction; review contractor change order requests; review contractor submittals; respond to contractor Requests for Information (RFIs); review and comment on product manufacturer information; attend final job-walks and assist the Site Engineer Representative (SER) with the preparation of a punch list; assist the SER with the preparation of a final construction report; and coordinate receipt, review, and drafting of the Contractor’s record drawings developed during construction and assist in preparation of the final “Record Drawings”.

SWT also perform similar tasks for work on the Out of Channel Basin and North Sedimentation Basin Construction projects and the Phase 3-Part 1 and Phase 3-Part 2 Partial Final Closures.

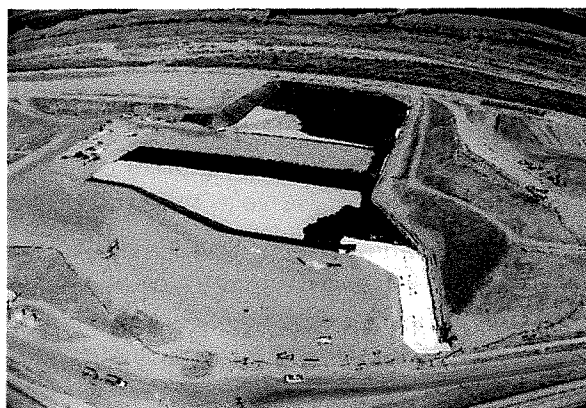
Construction Management Projects

Phase IIIA Liner Project – Engineering Support\CM \$2.1 M, 6.0 Acres, Key Personnel: Mike Cullinane	Phase IIIB Liner Project – Engineering Support\CM \$3.5 M, 12.5 Acres, Key Personnel: Jeremy Botica
Out of Channel Basin Project – Engineering\CM \$800 K, 2.5 Acres, Key Personnel: Mike Cullinane	North Sedimentation Basin Project–Engineering\CM \$1.7 M, 3.2 Acres, Key Personnel: Jeremy Botica
Phase IIIC Liner Project – Engineering\CQA\CM \$1.5 M, 4.6 Acres, Key Personnel: Brian Reyes	Phase IIID Liner Project – Engineering Support\CM \$350 K, 1.6 Acres, Key Personnel: Brian Reyes
Phase 3 Part 1 Partial Final Closure – Engineering Support\CM, 7 Acres, Key Personnel: Jeremy Botica	Phase 3 Part 2 Partial Final Closure – Engineering Support\CM, 5.5 Acres, Key Personnel: Brian Reyes

2. Consultant Information, Qualifications, & Experience

PROJECT 4 | Santa Maria Regional Landfill – Santa Barbara County, CA (SWT)

- a. **Contracting agency:** City of Santa Maria
- b. **Contracting agency Project Manager:** Tari Heslop
- c. **Contracting agency contact information:**
(805) 720-7676
- d. **Contract amount:** \$450,000
- e. **Date of contract:** 2021-2022
- f. **Date of completion:** 2022
- g. **Consultant Project Manager and contact information:** Jeremy Botica, PE, (909) 390-1328, jab@swteng.com



Liner system installation for the Cell 1 Phase 1 Extension Liner Project

h-j. Project objective / project description / project outcome: See project description below:

The Santa Maria Regional Landfill (SMRL) is an active Class III municipal solid waste landfill, owned and operated by the City of Santa Maria. The SMRL has been in operation since the 1950's for disposal of municipal solid waste.

SWT has been providing engineering consulting services to the City of Santa Maria, Utilities Department since the early 2000's. **SWT has completed numerous support needs for the site and CM services for the successful Cell 1 Phase I Extension Liner Project.**

The CM work included pre-construction meeting and bi-weekly construction meetings to maintain project coordination and communications; perform field observation services to evaluate construction activity conformance with the Plans and Specifications; review and consult with the City and Contractor on technical issues that arise during construction; review contractor change order requests; review contractor submittals; respond to contractor RFIs; review and comment on product manufacturer information; attend final job-walks and assist the Site Engineer Representative (SER) with the preparation of a punch list; assist the SER with the preparation of a final construction report; and coordinate receipt, review, and drafting of the Contractor's record drawings developed during construction and assist in preparation of the final "Record Drawings".

SWT also perform budget tracking of the allotted allocations for the contractor making sure the project stayed under budget and the City was not charged for any unnecessary items during the project.

3. Organization and Approach

Geosyntec's management philosophy is to act as an extension of the County's staff and, as such, provide responsive service with hands-on personnel that will focus on safely completing the project on time and within budget. These key project management aspects include:

- Project Roles and Organization
- Project Leadership and Sub-consultant Management
- Communication and Coordination
- Scope, Cost, and Schedule Control

Each element of project management and control listed above is described in the following sections.

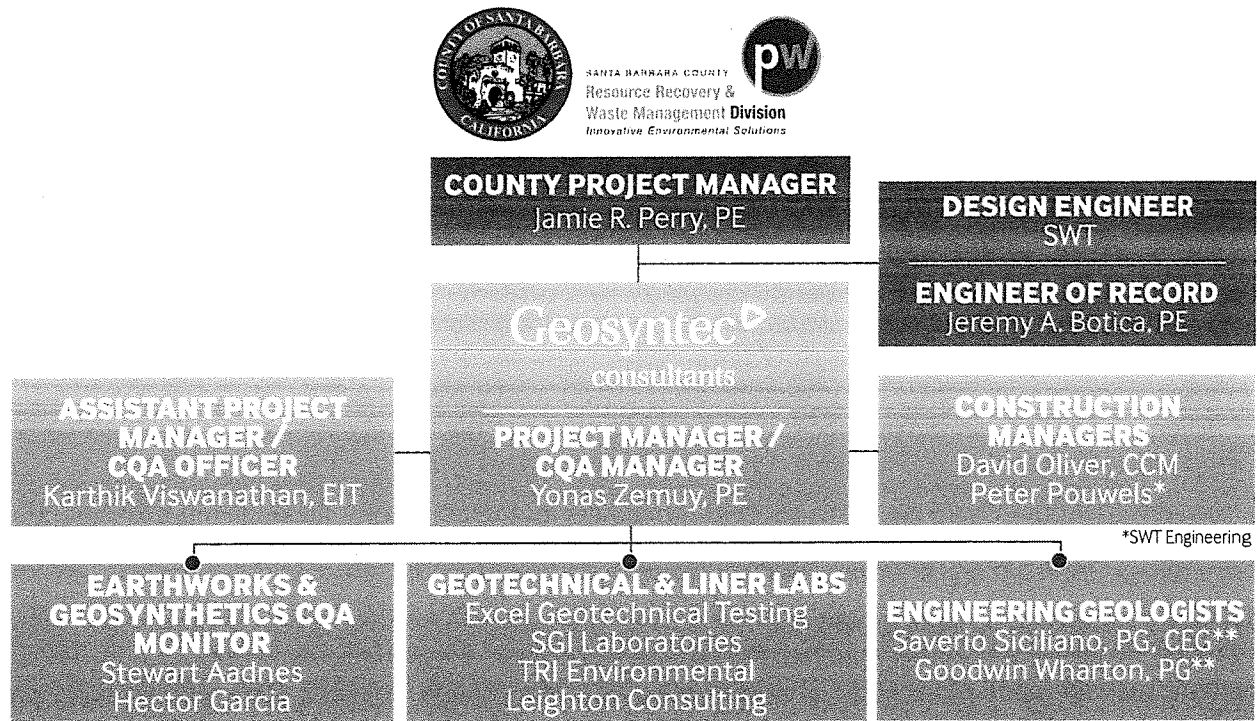
ROLES AND ORGANIZATION

The Geosyntec Team assembled for this contract is uniquely qualified to perform the CM and CQA services required for successful implementation of the project objectives. Geosyntec will serve as the lead consultant for this project and will be responsible for all technical and managerial aspects of the project. Geosyntec's **Project Manager (PM) and CQA Manager will be Mr. Yonas Zemuy, PE** a civil and geotechnical engineer with over 20 years of professional experience and will serve as the point of contact for the County, as shown in the Organization

3. Organization and Approach

chart. Geosyntec’s CM sub-consultant, SWT will report directly to our PM. Our team provides the County with reliability, site experience, added technical value, and depth of resources and site-specific experience. As we have done with past liner expansion projects at Tajiguas Landfill, our team will continue to provide the County with the highest quality CM and CQA service to meet potential needs for the Phase IVA Groundwater Protection System. **Mr. Karthik Viswanathan**, a civil engineer with over 6 years of local (Southern California) and site-specific experience will serve as the **Assistant Project Manager (Asst. PM) and CQA Officer** for the project.

Our project team members, SWT, Excel Geotechnical Testing (Soil Testing Lab), SGI Laboratories (Geosynthetic Testing Lab), TRI Environmental (Geosynthetic Testing Lab), and Leighton Consulting (Materials Testing Lab), were selected for their relevant experience and prior working relationships with the County and Geosyntec personnel. These team members are thoroughly familiar with the County’s standards for deliverables and with regulatory requirements. The key team members have worked with each other on similar landfill construction management projects in Southern California. Geosyntec and SWT worked together since the 2008 for the construction of the multiple phases of the liner extension projects at Tajiguas, a success story for the County. In this section and in the following organization chart, we present our project team member qualifications and their roles on the contract.



**We can provide resumes upon request

David Oliver, CCM will serve as Lead CM for the project during the pre-construction phase of the project (Q3 2024 to Q2 2025). David is local to Santa Brabara and will help the County realize significant cost saving measures related to travel, per diem and lodging. David’s proximity to the Site will also allow for his mobilization/demobilization from the Site on short notice and will allow Geosyntec to adjust our on-site presence based on the Contractor’s schedule and as required by the County. **Peter Pouwels (SWT) will serve as the CM** for the construction and post-construction phases of the project (Q2 2025 to Q4 2025), bringing in his experience providing similar services at Tajiguas for the previous phases of the liner expansion projects. **Stewart Aadnes will serve as Lead CQA Monitor** for the project and will be assisted as needed by site manager Hector Garcia and others, as needed. The same Project/CQA Manager, CM(s), CQA Officer, and CQA Monitor(s) will participate in the project for the duration of the construction. Unless the project is significantly delayed, the individuals identified in this RFQ will be the key personnel assigned to the project. We will not substitute personnel without prior approval of the County. The Geosyntec project team is summarized below. Detailed resumes are included in Appendix A at the end of this RFQ.

3. Organization and Approach

KEY PROJECT PERSONNEL | Our key project personnel bios are provided below:



Geosyntec[®]
consultants

YONAS ZEMUY, PE | PROJECT MANAGER / CQA MANAGER

Reference | Timmie De Ramos, PE, Environmental Engineer, LA Sanitation and Environment, Solid Resources Processing and Construction Division, (213) 847-2800, timmie.deramos@lacity.org

Years with Geosyntec | 20 years

- Geosyntec's leading technical expert in landfill design and permitting
- Worked in the waste containment business for over 20 years, performing CQA for landfill systems before taking on design and engineer of record roles for new liner systems, partial and clean closures
- County waste management master planning
- Extensive regulatory experience with Title 27 of California Code of Regulations for landfills CQA and Design
- Planning of landfill investigations
- Design of landfill liners and covers



Geosyntec[®]
consultants

KARTHIK VISWANATHAN, EIT | ASSISTANT PROJECT MANAGER / CQA OFFICER

Reference | Kate Downey, Team Environmental Manager, Republic Services, (818) 362-2154, kdowney@republicservices.com

Years with Geosyntec | 6 years

- 6 years of experience managing CQA projects during landfill geosynthetic liner systems and earthwork constructions in Southern California
- CQA field services earthwork and liner components of development projects, dam rehabilitation, and municipal solid waste landfills
- Design drawings, technical specifications, and CQA Plans for construction
- Evaluation of design reports and site/laboratory testing data
- Geotechnical and hydraulic analyses



Geosyntec[®]
consultants

DAVID OLIVER, CCM | CONSTRUCTION MANAGER

Reference | Dane Grimshaw, Olin Corporation, (408) 599-4030, DRGrimshaw@olin.com

Years with Geosyntec | 18 years

- More than 40 years' experience in complex project management
- Extensive experience in project design support, constructability reviews, cost estimating, scheduling, project controls and project close-out
- Experience with community relations and inter-agency coordination
- Experienced with claim analysis
- Experience with construction inspections



Geosyntec[®]
consultants

STEWART AADNES | LEAD CQA MONITOR

Reference | Alicia Unger, Project Manager, Red Dog Mine, (907) 754-5427, Alicia.unger@teck.com

Years with Geosyntec | 23 years

- Construction Manager with over 24 years of construction experience
- Landfill engineering field services including construction and clean closure
- Remediation system O&M and LFG control system assessment and upgrades
- Monitored over 40 million ft of geomembrane installation
- Served dual roles of CQA Manager and Construction Manager on several projects



Geosyntec[®]
consultants

HECTOR GARCIA | CQA MONITOR

Reference | Kate Downey, Team Environmental Manager, Republic Services, (818) 362-2154, kdowney@republicservices.com

Years with Geosyntec | 2.5 years

- CQA Monitor for landfill construction - earthworks and geosynthetic liner components
- Field inspections and investigations
- Remediation oversight at contaminated sites
- Construction project management services

3. Organization and Approach



PETER POWELS | CONSTRUCTION MANAGER (SWT)

Reference: Daniel Vehezzi, Solid Waste Landfill Manager, City of Santa Maria, Utilities Department, (805) 331-6458, dvegezzi@cityofsantamaria.org (Years with SWT) 3 years

- CM experience for membrane liner closure with 2 feet of soil, earthworks and liner collection for Phase IV Cell with sump collection and pumping systems/controls.
- CM and CQA experience for new Cell with sump collection, liner, and Pump station.
- CM experience for earthwork, liner installation, landfill gas improvements, and groundwater protection systems.



PROJECT AND MANAGEMENT APPROACH

David Oliver and Peter Pouwels, the proposed On-site CM(s), are experienced in managing the successful completion of projects under the regulatory oversight of local and regional regulatory authorities. David and Peter will lead the staff on-site and manage support team members (Geosyntec Team).

Yonas Zemuy, PE, the PM and CQA Manager, will act as the County's point-of-contact. Yonas has served as technical director, providing key technical and constructability reviews of design projects to develop constructible and cost-effective solutions, and has worked with RWQCB regulators on many projects.

Karthik Viswanathan, the Asst. PM and CQA Officer, has been responsible for the management and implementation of exploratory programs and construction projects for landfill sites in Southern California. He has also managed projects involving landfill and infrastructure design, permitting and construction. He has been Geosyntec's project manager for the Phase III F GWPS Project at the site. Karthik will work closely with the CM(s) and the CQA Monitor(s) in maintaining project documentation; attending bi-weekly progress meetings; and coordinating CQA, CM, and laboratory testing requirements. Karthik will coordinate with the County's PM on a frequent basis to discuss project progress, coordinate Geosyntec Team's staffing, and provide updates on Geosyntec team's budget usage.

Stew Aadnes, the proposed On-site Lead CQA Monitor, is experienced in managing the successful completion of projects under the regulatory oversight of local and regional regulatory authorities. Stew Aadnes will lead the Geosyntec staff on-site and work closely with the CM(s). Stew has monitored over 40 million square feet of geomembrane installation and has detailed knowledge of all construction documentation and CQA field and laboratory testing protocols. **Stew Aadnes has most recently served as the lead on-site CM and Lead CQA Monitor for a California Superfunds Landfill in south Orange County managing budgets totaling \$23 million.** Additional support staff will be available in Geosyntec's Santa Barbara and Orange County offices to periodically perform project administration, clerical, and engineering support duties.

PROJECT EXPERIENCE AND UNDERSTANDING

Founded as a landfill engineering firm, Geosyntec Consultants, Inc. has 100+ offices in the continental United States and internationally. Geosyntec has over 40 years of local experience in the closure and post-closure maintenance, preparation of final fill plans, preparation of final cover design and CQA of hundreds of landfill expansions and closure projects. Our exceptional understanding of environmental regulations and application of leading-edge technology uniquely qualifies Geosyntec to support the County's Groundwater Protection System project.

Geosyntec's team has provided CM and CQA services during the construction of numerous similar projects at the Tajiguas Landfill, including seven previous groundwater protection system expansions (Phases 2A, 2B, 2C, 3A, 3B, 3C, 3E and 3F), Phase 3 Part 2 Partial Final Closure, as well as other improvement projects at the site (e.g., Out of Channel Basin and Leachate tank foundations). Geosyntec's team worked on each of these projects all of which were completed on time and without construction related claims or delays. **Geosyntec's CQA reports have been readily approved by the RWQCB without comment.** The timely completion and approval of these reports has allowed the County to occupy the new phases of the groundwater protection system prior to the wet season in each case. **There's no learning curve for Geosyntec's Team on this project.**

Geosyntec's team has successfully provided CQA and CM services on similar projects with SWT serving as the Design Engineer to the County. A summary of Geosyntec team's previous experience at Tajiguas Landfill is provided in **Table 1** on the following page.

3. Organization and Approach

TABLE 1: CM AND CQA SERVICES AT TAJIGUAS LANDFILL

Groundwater Protection System Phase	Date	Contractor	Geosynthetics Installer	Construction Manager	Design Engineer	Geotechnical Engineer
2A	2008	Raminha	Great Basin	SWT	SWT	Geosyntec
2B	2009	Whitaker	ECA	County	SWT	Geosyntec
In Channel/ Out of Channel Basin	2010-2011	R. Burke Construction	-	SWT	SWT	Geosyntec
2C	2011	Papich	D&E	County	SWT	Geosyntec
3A	2012	Raminha	D&E	SWT	SWT	Geosyntec
3B	2014	Papich	D&E	SWT	SWT	Geosyntec
3C	2018	Whitaker	ECA	SWT	SWT	Geosyntec
3E	2019-2020	Whitaker	D&E	Anser Advisory	SWT	Geosyntec
3F	2023	Raminha	D&E	County	SWT	Geosyntec

Since 2003, Geosyntec has maintained a series of Master Services Agreement with the County to provide solid waste, hazardous materials, and environmental services. The Santa Barbara office of Geosyntec was established in 2000 under the leadership of Santa Barbara-based practitioners and works seamlessly with the firm's Orange County office on significant local projects.

Geosyntec maintains excellent working relationships with the County, other local and State agencies and takes pride in our understanding of County and State procedures, guidelines and standards pertaining to the environment. With regard specifically to groundwater protection, Geosyntec's project personnel understand the Title 27/Subtitle D regulatory requirements as well as recent RWQCB interpretations and has well-established working relationships with the relevant regulatory agencies. Geosyntec's project personnel have developed excellent relationships with the relevant state regulators, which includes Jordan Haserot and Ryan Lodge of the Central Coast RWQCB. Additionally, Geosyntec has worked closely with SWT and the County, as summarized above, on numerous similar project both for the County and other clients. This allows us to work seamlessly with the entire team to achieve successful project completion.

The Geosyntec team has an exemplary work record on more than 800 municipal solid waste landfills nationwide, as well as hazardous and low-level radioactive waste containment facilities. In California alone, the Geosyntec team has worked on over 200 landfills, including the vast majority of landfills in Southern California. Geosyntec has expertise in engineering and environmental services, regulatory compliance, landfill planning, permitting, design, expansion, construction, operation, maintenance, monitoring, remediation, closure, and post-closure maintenance and redevelopment. Through our decades of experience in designing, installing, and providing operation & maintenance services for composite liner systems, Geosyntec's team has developed a deep understanding of the maintenance aspects of liner systems and other landfill operations components. Geosyntec's team will use this experience during the construction review in the pre-construction stage to understand the various design components, as well as during the construction stage, providing recommendations to SWT and the contractor on implementing measures to reduce maintenance costs and efforts in the long term.

4. Performance Statement of Work

SCOPE OF WORK | Construction Management | The Geosyntec Team will perform contract administration and construction management during pre-construction activities, the construction phase, and post-construction period in accordance with the requirements outlined in the RFQ. Geosyntec will establish and implement coordination procedures between the County, SWT, contractors, and regulators.

Construction Review | Geosyntec will review the plans, bid documents, and engineer's cost estimates and provide a summary to the County, outlining any comments or areas requiring clarification prior to initiating pre-construction meetings. A review by Geosyntec provides an independent review of the design from the engineer/designer. The review of plans and bid documents will include a determination of completeness, compatibility, coordination of plans and specifications, and constructability. Geosyntec will review the project documents with the intention of reducing the number of inconsistencies in the bid documents that could lead to potential change orders.

4. Performance Statement of Work

Pre-Construction | The Geosyntec Team will provide the following services during the pre-construction phase of the projects:

- Chair pre-construction conferences, including the drafting and circulation of minutes addressing overview of the scope of work, changes/addendums, key dates and schedule milestones, safety, permitting requirements, submittals, contractor notices, emergency contact information, RFIs, payment procedures, etc.
- Review, track, and report contractor submittals required prior to contractor mobilization
- Review the contractor's construction schedule and establish a project master schedule and schedule of values
- Coordinate with the landfill gas system operators (SCS Engineers), the ReSource Center Manager, Contractor, CQA Monitor, and other County representatives
- Review and provide input to the contractor traffic control plan, haul roads, dust control
- Develop a list of key persons and their 24-hour emergency contact information

Mobilization | The Geosyntec Team will confirm that contractually required submittals have been received and reviewed before the contractor to mobilize and will report the status of the required submittals to the County's PM.

Submittals, Shop Drawings, and Material Supply | Geosyntec will schedule contractor's submittals and shop drawings, record the date of receipt of submittals, shop drawings, material samples, arrange for tests of samples, respond to RFIs, review, transmit to the County and Design Engineers for review and appraisal, approve submittals and maintain records. Geosyntec can utilize computer-based program(s) for the tracking and review/approval of contractor submittals and schedule milestones.

Geosyntec will identify and confirm adequate lead time is provided for material supply, testing and approval. This will provide adequate time to receive manufacturer's samples and perform laboratory testing to determine acceptability of the material per the specifications. The Geosyntec Team will monitor material deliveries to determine if the material manufacturer and quality is consistent with the previously approved submittals. Geosyntec will maintain a record of materials received, the name of the supplier or manufacturer, quantity received, and date received.

In addition to the pre-bid and pre-construction meetings, Geosyntec will chair weekly (or bi-weekly) construction coordination meetings with the contractor and the County. When required, Geosyntec will coordinate and chair special meetings to address specific issues and concerns. Geosyntec will notify appropriate parties of the required attendance to meetings. Minutes of meetings will be drafted by the following normal workday and will be submitted to the County's PM for review prior to distribution. Minutes will capture discussions, conclusions, actions and the responsible party for implementation and date due. The meeting minutes will serve as both the agenda and record of decisions, action items, concerns, etc.

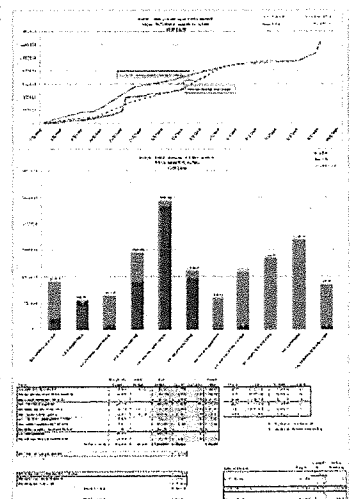
By establishing clear lines of communications and methods for the distribution of information, **the Team will keep the project on a clear path for completion within budget and on schedule** while still allowing for technical exchange.

Cost and Schedule Control | Cost control will be divided into two categories; 1) the tracking and reporting of the Geosyntec Team and, 2) the contractor's cost. Together, those costs represent the project cost tracked and reported to the County. Schedule control starts with review of the contractor's proposed Critical Path Method (CPM) construction schedule, monitoring and updating the schedule as construction progresses, and reconciliation of the schedule of values with the contractor's construction schedule.

Geosyntec will notify the County's PM in writing when expenditures against the contract reach 75% of the total dollar limit of the contract. This notification will be provided no later than 3 working days after the submittal of the invoice that is within the notification limit.

Review of the contractor's schedule is a part of the weekly (or bi-weekly) progress meeting. Variances to the schedule are evaluated and recommendations for adjustment to the contractor schedule or operations will be made. Typically, Geosyntec will request that the contractor produce two-week look-ahead schedules for evaluation.

Construction Oversight and Resident Engineer Duties | Geosyntec will perform regular site observations of the work in progress to determine if the work is progressing in accordance with the contract documents. Geosyntec will consider and evaluate contractor's suggestions for modifications to the contract documents and report them with recommendations to the County. Geosyntec will also transmit clarifications and interpretations of the contract design or contract documents to



Example of monthly project schedule / cost control spreadsheet

4. Performance Statement of Work

"I CANNOT SAY ENOUGH GOOD THINGS ABOUT THE WAY THIS COMPANY [GEOSYNTEC] RUNS THEIR BUSINESS. THEY ARE ALL VERY PROFESSIONAL, COURTEOUS, POLITE, AND EASY TO WORK WITH," KENT JOHNSON, ROICC REPRESENTATIVE TWENTYNINE PALMS MCAGCC, NAVFAC

the contractor, design engineer, and the County. Geosyntec will develop and implement a plan to digitally record color photographs and video of the progress of each project. Photos will be taken as often as needed including images of potential or known deficiencies. Photos will be logged and included in the monthly report.

Geosyntec will also maintain a record of names, addresses and telephone numbers of contractors, subcontractors, and major supplier of materials and equipment. Geosyntec will request Certified Prevailing Wage Payroll be submitted by the contractor. The certified payroll records will be filed and made available to the County.

Inspection and Testing | Geosyntec will verify that tests, equipment, and systems start-ups and operating and maintenance instruction are conducted in the presence of the required personnel and recorded as required by contract documents. The County and the Design Engineer will be consulted and advised of scheduled major test, inspections, or start of important phases of the work.

Health and Safety | Geosyntec will monitor the contractor's development and implementation of safety programs. Each meeting, starting with the pre-construction meeting and following through to completion will start with a discussion of safety and current issues and concerns. The overall responsibility for implementation of construction health and safety programs rests with the individual contractor. However, Geosyntec understands the importance of reinforcing health and safety issues. Contractor's will be requested to submit copies of records of their tailgate safety meetings and will be asked to discuss safety incidents and near misses in weekly coordination meetings. Understanding the root cause of a near miss or incident enables corrective actions to be taken to avoid recurrence of similar incidents.

Geosyntec's CM will lead the efforts of developing a project specific Health & Safety Plan and will submit this plan for The County review. Personnel who will undertake field activities will be required to review the plan and attend tailgate safety meetings. Geosyntec personnel will also have taken the 40-hour OSHA HAZWOPPER training, the 8-hour annual refresher classes, and the OSHA 10-hour general construction training course.

Reporting | Geosyntec will prepare several, regular reports for submittal to the County. Daily, weekly, and monthly reports will be prepared and submitted to the County.

Daily reports will contain the following information: weather conditions; names, of visitors and agency/supplier represented; material and equipment deliveries, general observations and description of work performed.

Weekly Reports will be submitted to the County summarizing the work performed by the contractor, status of submittals, and schedule progress.

Monthly report will be submitted electronically to the County by the 10th of the month following the reporting period. The monthly report will include description of significant events and major decisions made, progress made, discussion of issues and changes, description of pending change orders and potential impact on schedule and cost, and discussion of new roles, updated construction schedule, status of contract funds including spent and remaining budgets.

As-Built Drawings and Document Control | Geosyntec will work with the Contractor's surveyor to obtain as-built survey documents during the project. Geosyntec will collect the data and maintain records of the as-built surveys, project plans and documents for reference by the County and other agencies. Geosyntec will periodically review red-lined plans prepared by the contractor showing as-built condition to determine accuracy and completeness prior to being transferred to reproducible as-built plans. At the completion of the project, Geosyntec will review the contractor generated as-built plans, or assist the designer engineer, for accuracy, completeness, and certification prior to submittal to the County.

Geosyntec will collect documents and maintain a project file on site. The project file will include correspondence, minutes of meetings, shop drawings, submittals, copy of original contract documents and all addenda, change orders, field orders, drawings issued after the execution of the original contract documents, clarifications and interpretations of the contract documents, progress reports, and other related documents. Prior to the final acceptance of each project, Geosyntec will deliver these documents to the County and design engineer for review.

Payment and Substantial Completion | Monthly progress payment applications will be prepared based upon the schedule of values agreed upon by the County and the contractor. Progress Pay Estimates submitted by the contractor will be reviewed by Geosyntec to determine if the request is consistent with physical completion, the pre-established schedule of values, and if requesting payment for change orders, the contractual change will used as a basis for evaluating the request for payment. A progress payment package will include the contractor's invoice, contract summary and signature page, and Contractor's Detailed Monthly Application for Payment. Variations will be brought to the attention of the contractor and resolved before submittal of the payment package to the County.

4. Performance Statement of Work

Geosyntec will assist the County in determining final completion and when work is ready for final inspection. Geosyntec will coordinate a joint final inspection including the County, the design engineer, and the contractor and prepare final punch lists of items to be completed or corrected. Geosyntec will determine when all items on the final punch list have been completed or corrected and make recommendations to the County regarding acceptance. Geosyntec will assist the County in following up on defective work performed by the contractor that is covered by warranties.

Geosyntec will use its custom information management systems (GopherIMS) and project-specific data collection system to expedite collection and reporting of the large volume of data from the earthworks, geosynthetics and site improvement installation and to facilitate and expedite completion of the report.

General CQA Field Activities: Includes working with County and contractor personnel, observing and documenting demolition and construction activities, maintaining records, and preparing progress reports including photographic records.

Earthwork Field Activities: Involves soil sampling and testing earthwork materials, monitoring subgrade preparation and engineered fill and low-permeability placement, and reviewing lab test results.

Geosynthetic Field Activities: Includes documenting delivery, storage, and placement of geosynthetics; reviewing quality control and lab test results; monitoring deployment, installation, and repairs; marking repair locations; and overseeing seaming and testing, including non-destructive and destructive methods, to ensure compliance with specifications.

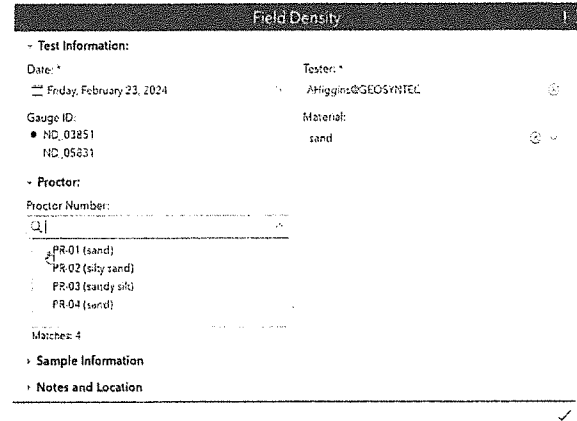
Subdrain, Surface Drainage, Leachate Collection and Recovery Systems (LCRS), and Landfill Gas (LFG) systems Field Activities: Includes reviewing submittals and QC documents for pipes, geotextiles, and gravels; documenting material delivery and inspecting for damage; approving storage surfaces; reviewing HDPE installer certification and equipment specs; observing HDPE test joints; inspecting CSP bedding and installation; performing in-situ testing of underdrain gravel; monitoring gravel placement; checking LFG header pipe slope and location; and documenting geotextile placement and defects.

Asphalt Pavement and Reinforced Concrete Field Activities: Includes performing field review of submittals (compliance certificates, asphalt mix, gradation reports, concrete mix designs); conducting compaction testing of subgrade; monitoring placement of aggregate base, asphalt, and reinforced concrete; performing in-situ density tests of aggregate base and asphalt; conducting field slump tests of concrete; and collecting asphalt samples and concrete cylinders for lab testing.

Final CQA Certification Report: At the completion of construction, Geosyntec will prepare a report documenting the quality of construction according to project documents. The report will include significant aspects of field and laboratory CQA activities, construction documentation, relevant submittals, testing data, and as-built drawings. The final report will be signed by Geosyntec's registered professional engineer (PE) and Engineering Geologist (CEG) registered in the State of California and will be provided to the County within three weeks of completion. An initial draft will be submitted for County review, followed by the final report within one week of receiving comments. The CQA report will undergo internal peer review for quality assurance.

5. Scheduling

Geosyntec's approach to scheduling for this project is driven by the need to coordinate CM and CQA activities with those of the contractor. Geosyntec plans to have one on-site CM for the duration of the project (16 months) and one CQA monitor full-time on site for the entire construction duration (4 months). Based on the information described in the RFQ, Geosyntec's proposal is intended to cover the period from the beginning of project in August 2024 to the completion of construction by the end of December 2025. While our assumed schedule indicates that some of these tasks overlap, Geosyntec assumes that one onsite CM and one onsite CQA monitor can provide the necessary CM and CQA oversight during overlapping tasks. However, should it become apparent that additional CM and CQA personnel are needed on site simultaneously, Geosyntec is prepared to mobilize additional members, as necessary, with the County's approval.



The screenshot displays the 'Field Density' data collection form in GopherIMS. The form includes the following sections:

- Test Information:**
 - Date: Friday, February 23, 2024
 - Gauge ID: ND_01851, ND_05831
 - Tester: AHiggins@GEOSYNTEC
 - Material: sand
- Proctor:**
 - Proctor Number: [input field]
 - Matches: 4
- Sample Information**
- Notes and Location**

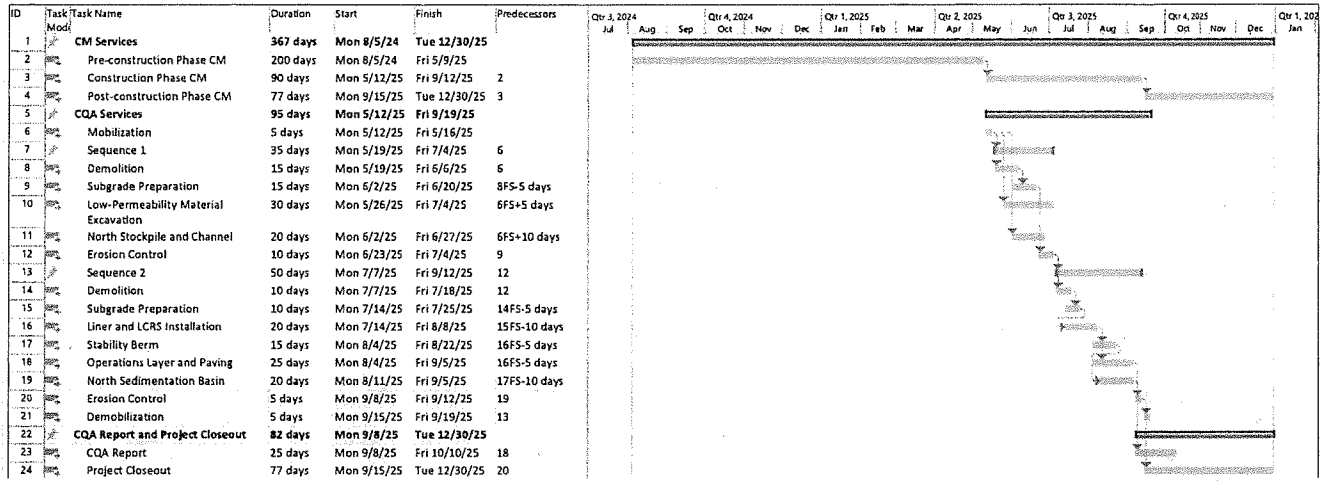
Example of GopherIMS data collection system

ATTACHMENT A1



5. Scheduling

TAJIGUAS PHASE IVA SCHEDULE



Project: Tajiguas Phase IVA GW	Task	Project Summary	Manual Task	Start-only	Deadline
Date: Tue 5/21/24	Split	Inactive Task	Duration-only	Finish-only	Progress
	Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
	Summary	Inactive Summary	Manual Summary	External Milestone	

6. Conflict of Interest

Geosyntec affirms that there are no existing conflicts of interest that would compromise our ability to serve our clients effectively.

7. [REDACTED]

[REDACTED]

7. [REDACTED]

[REDACTED]

[REDACTED]

8. Agreement of Services of Independent Contract

Geosyntec acknowledges acceptance of the sample Agreement for Services of Independent Contractor without exceptions and affirms that the SOQ terms will remain in effect for ninety (90) days following the date SOQ submittals are due. Our signed Attachment A – Agreement for Services of Independent Contractor can be found in Appendix B.

9. Resource Allocation Matrix

The key and support project personnel being committed to the project, their project roles and responsibilities and their estimated resource utilization on the project are summarized below.

TABLE 2: PRELIMINARY SCHEDULE

Task Description	Key Personnel and Role	Proposed Number of Hours
Health & Safety Plan	Karthik Viswanathan (Asst. PM) <i>Madison McLaughlin (Regional H&S Manager)</i>	4 Review only
Project Management & Contract Administration	Yonas Zemuy (Project Manager) Karthik Viswanathan (Asst. PM) <i>Administrative Support</i>	160-200 240-400 40-80
Construction Management Services – Pre-construction phase (9 months)	David Oliver (CM) <i>Clerical Support</i>	1,200-1,600 50-100
Construction Management Services – Construction & Post-construction phases (7 months)	Peter Pouwels (CM) <i>Clerical Support</i>	1,300-1,500 50-100
Construction Quality Assurance Services (4 months)	Stewart Aadnes (Lead CQA Monitor) Hector Garcia (CQA Monitor – Backup) Karthik Viswanathan (CQA Officer) Yonas Zemuy (CQA Manager) Saverio Siciliano (Engineering Geologist) <i>Brian Gin (CQA Documentation/Lab Coordination)</i>	800-1,000 200-400 100-120 40-60 20-40 40-60
CQA Report	Karthik Viswanathan (CQA Officer) Yonas Zemuy (CQA Manager) Stewart Aadnes (Lead CQA Monitor) <i>Brian Gin (CQA Documentation)</i>	20-30 10 10-20 20-40

Note: *Italicized personnel indicates support staff, providing limited services or required on an as-needed basis.*

10. Consultant Information Sheet

Our completed Attachment B – Consultant Information Sheet can be found in Appendix B.

Appendix A - Resumes

Yonas Zemuy, PE | Project Manager & CQA Manager
OFFICE LOCATION | Costa Mesa, California

YEARS WITH GEOSYNTec | 20 Years

CREDENTIALS
RELEVANT TAJIGUAS EXPERIENCE

- MS, Geotechnical Engineering, UCLA
- BS, Civil and Environmental Engineering, UCLA
- Professional Engineer, Civil, CA No. C79713
- Professional Engineer, Civil, AZ No. C68702
- Professional Engineer, Civil, NV No. C029099
- Professional Engineer, Civil, ID No. P-22553
- OSHA Certified 40-Hour HAZPOWER (29 CFR 1910.120)
- USACE Construction Quality Management (CQM)

- Managed several CQA projects during landfill geosynthetic liner systems and cover constructions in California
- Savage Canyon, Sunshine Canyon and Taft Landfill Module 2 CQA and engineering support during final closure of Phase I Olinda Alpha landfill
- Prepared detailed technical specifications and CQA plans that gained regulatory approval with little to no changes

Mr. Zemuy is a Senior Principal Engineer with Geosyntec with over 20 years of experience in landfill CQA services and geotechnical engineering. His expertise includes relevant experience with landfill fieldwork, laboratory testing programs, interpretation of compaction, density and moisture content testing in-situ subsurface conditions drilling operations, soil classification and borrow-source evaluations. Mr. Zemuy's experience includes providing civil and geotechnical engineering support, landfill design, liner system and closure construction, post-closure maintenance and construction CQA services; Waste excavation and placement of waste, construction of new landfill cells. Mr. Zemuy has managed these services for several local government projects including clients such as OC Waste & Recycling, City of Whittier, City of Los Angeles (Bureau of Sanitation) and Kern County.

KEY PROJECTS

Taft Recycling and Sanitary Landfill (TRSL), Taft, CA. Geosyntec provided full-design services for a lateral extension, grading and drainage work, landfill gas and leachate collection system. Mr. Zemuy managed the preparation of design/construction drawings, design report and technical specifications. The project involved extensive grading work, landfill phase development, relocation of an existing waste trench, and preparation of a comprehensive design report. Geosyntec also provided full CQA services during the construction of Module 2, TRSL. Mr. Zemuy managed the CQA program, served as the technical lead for the project and prepared detailed CQA report in accordance with Title 27 of the California Code of Regulations. The design and construction of Module 2, TRSL was approved by the RWQCB in an expedited manner.

Savage Canyon Landfill Phase 3A Composite Liner System, Whittier, CA. Mr. Zemuy was the Project Manager for the Construction Quality Assurance services provided during earthwork and stockpiling operations and Geosynthetic landfill liner system installation. The liner system for the Phase 3A included Geosynthetic Clay Liner (GCL), High Density Polyethylene (HDPE) and geotextile. Mr. Zemuy provided engineering support services, including review of lab testing, contractor submittal review, and logging. Mr. Zemuy also reviewed and certified the final CQA report.

Sunshine Canyon Landfill 4 Acre Closure Turf, Sylmar, CA. Mr. Zemuy served as the Project Director during for the Sunshine Canyon Landfill Closure Turf construction project and provided CQA Services during the liner system construction, earthwork operations and installation of leachate collection and removal systems during construction of the closure turf at the landfill. The project involved earthwork observation, field and lab testing, and report preparation. Mr. Zemuy reviewed/signed the final CQA report for the project.

Karthik Viswanathan, EIT | Asst. PM & CQA Manager**OFFICE LOCATION |** Costa Mesa, California**YEARS WITH GEOSYNTEC |** 6 Years**CREDENTIALS****RELEVANT TAJIGUAS EXPERIENCE**

- MS, GeoSystems Engineering, UC Berkeley
- BTech, Civil Engineering, Amrita Vishwa Vidyapeetham, India
- Engineer-in-Training, Civil, CA No. EIT 167586
- OSHA Certified 40-Hour HAZWOPER (29 CFR 1910.120)
- OSHA Certified 10-Hour Construction Health & Safety (29 CFR 1926)
- Troxler Certified Nuclear Moisture/Density Gauge Operator
- Certified, Radiation Safety Officer (49 CFR Part 172, CCR 17, 30194)
- Managed CQA projects during landfill geosynthetic liner systems and earthwork constructions in California
- Provided engineering support services during construction for Tajiguas Sanitary Landfill, Savage Canyon Landfill, and Sunshine Canyon Landfill
- Prepared design drawings, technical specifications and CQA plans for landfill projects

Mr. Viswanathan is a Project Engineer with Geosyntec with over 5 years of experience in landfill CQA services and geotechnical engineering. He has experience managing and providing field CQA for earthwork and liner components of development projects, dam rehabilitation, and municipal solid waste landfills. His expertise includes relevant experience with landfill fieldwork, laboratory testing programs, interpretation of compaction, density and moisture content, testing in-situ subsurface conditions, drilling operations and soil classification. Mr. Viswanathan's experience also includes conducting geotechnical stability analyses; evaluation of design reports and site and laboratory testing data; performing in-situ soil and concrete property testing; and preparation of grading plans, CQA plans, technical specifications, and engineers' cost estimates.

KEY PROJECTS

Tajiguas Sanitary Facility, Phase III F Groundwater Protection System, Santa Barbara, CA. Served as the CQA Office for the CQA services provided during the construction of a cell expansion project. Provided engineering support services, including field services and lab testing coordination, attending construction meetings, and preparing the CQA report. The project involves approximately 100,000 SF of 60mil thick double sided textured HDPE geomembrane, 100,000 SF of GCL, and 116,000 SF of geotextile; leachate collection piping, and landfill gas piping. In addition to project management, Mr. Viswanathan also observed fill and protective cover soil placement, and installation of piping.

Sunshine Canyon Landfill Ultimate Entrance Improvement Phases 1-4, Sylmar, CA. Serving as the project manager for CQA services provided during the construction of Phases 1-4 of the Ultimate Entrance Improvements of the landfill. Providing engineering support services, including field services and lab testing coordination and attending weekly construction meetings. The project involves approximately 405,000 CY of excavation and 710,000 CY of engineered fill; stormwater and groundwater conveyance features; sedimentation basins; and approximately 85,000 SF of asphalt paving. In addition to project management, Mr. Viswanathan also observed earthwork operations involving large-scale excavation, backfilling, and regrading; performed field density tests; observed concrete placement operations; performed slump tests, air content tests, and collected concrete cylinders for lab testing.

Savage Canyon Landfill Phase 1-3A LCRS Sump Tie-in, Whittier, CA. Mr. Viswanathan assisted with the preparation of the design drawings for the construction phase of the LCRS Sump Tie-in. During construction, Mr. Viswanathan observed waste excavation and stockpiling; provided CQA services, including field coordination, communication with testing laboratory, reviewing laboratory results and field documents. Mr. Viswanathan also reviewed submittals and requests for information. Mr. Viswanathan also prepared the CQA report and served as the project manager.

David Oliver, CCM | Construction Manager**OFFICE LOCATION** | Santa Barbara, California**YEARS WITH GEOSYNTEC** | 18 Years**CREDENTIALS**

- BS, Construction Management, California Polytechnic State University San Luis Obispo
- Certified Construction Manager (CCM), Construction Management Association of America
- 40-hour OSHA training in compliance with 29 CFR 1910.120
- 8-hour OSHA Supervisor Training in compliance with 29 CFR 19 10.120 / Excavation, Safety, Competent Person Training / Refresher Course in Health and Safety for Hazardous Waste Site Operations

Mr. Oliver has more than 40 years of experience in general construction and environmental remediation, specializing in management, design build/value engineering, design review for constructability, problem resolution, contract administration, project controls, quality assurance/quality control (QA/QC). His experience includes projects in public utilities, soil, and groundwater remediation under CERCLA and RCRA, landfill leachate and landfill gas controls, landfill closure, and in dealing with local, state, and federal regulatory agencies. Past projects have included design and construction services for groundwater, leachate, and manufacturing wastewater treatment systems, building demolition, excavation, and disposal of contaminated soils; installation of underground utility systems, and building construction. Mr. Oliver has managed construction projects and coordinated Brownfield redevelopment projects. He has supervised the preparation of project schedules and cost estimates and managed project cost tracking. In addition, Mr. Oliver has supervised subcontractors, monitored on-site health and safety, managed field construction, operation and maintenance and contract administration staff.

KEY PROJECTS

Design/Build Construction Management Landfill Closure, Geothermal, Inc., Middletown, CA. Managed the construction of the Geothermal landfill closure project located in Middletown, CA. Work included the solidification and relocation of 246,000 cubic yards (CY) of geothermal waste located in 7 former containment ponds and, from two 30-foot-deep burial trenches. Work included installation and operation of two 600,000 SF double contained HDPE solar evaporator ponds (TFSE) and spray systems to remove 84,000,000 gallons of contact water, solidification of 105,000 gallons of pH 1.2 brine waste, cap closure of waste under 18 acres of HDPE/Geonet drainage layer, relocation of 385,000 CY of onsite soil borrow utilized for closure cap and waste solidification, final grading activities for the 120 acre construction area, Freeman Lake spillway modification, installations of 3.87 acres of enhanced wetlands, site irrigation system, 1.3 million gallon irrigation/fire water tank, 21,000 phyto-remediation trees. Work included coordination with all agencies, subcontractors and clients for this 2.5-year \$13.5 million project.

Design/Build Oyster Bay and West Winton Closed Landfill Facilities, Waste Management Inc., San Leandro, CA. Managed the design and construction of the leachate and landfill gas extraction and management systems for these sites. Work included coordination of Point of Discharge with the San Leandro Wastewater Treatment Facility, installation of recovery wells, installation of 3,000 linear feet of leachate recovery and discharge piping, 12,000 linear feet of landfill gas collection pipeline, installation of a leachate pumping plant and landfill gas flare system including the installation of PLC-based automation system. Work included Design/Build Construction Management services for these 13-month, \$2.1-million-dollar projects. Due to the design/build and value engineering performed on this project the client saved over \$2.5 million dollars.

Stewart Aadnes | Lead COA Monitor

OFFICE LOCATION | San Diego, California

YEARS WITH GEOSYNTEC | 23 Years

CREDENTIALS

RELEVANT TAJIGUAS EXPERIENCE

- BS, Environmental Studies, University of Oregon, Eugene
 - Certified Nuclear Moisture/Density Gauge Operator
 - OSHA Certified 40-Hour HAZWOPER (29 CFR 1910.120)
 - OSHA Certified, Supervisors Health and Safety Training (29 CFR 1910.120 e)
 - Confined Space Entry (29 CFR 1910.146&29 CFR 1926.501 & 502 (k))
 - Certified, HAZMAT Certification (49 CFR 172, Subpart H)
- Landfill engineering field services including construction and clean closure.
 - Monitored over 40 million SF of geomembrane installation
 - Served dual roles of CQA Manager and Construction Manager on several projects

Mr. Aadnes is a Construction Manager at Geosyntec with over 24 years of construction experience comprehensive landfill engineering field services, including construction of numerous landfills, clean closure of landfills, remediation system O&M, and LFG control system assessments and upgrades. He has been involved with new cell and closure construction activities, which include earthwork, geosynthetic liner systems, gas collection systems, surface water control systems, access roads and other miscellaneous landfill facilities. Stewart has monitored over 40 million SF of geomembrane installation and has detailed knowledge of all construction documentation and CQA field and laboratory testing protocols. Mr. Aadnes has served dual roles on several projects as the on-site CQA Manager and on-site Construction Manager to reduce client costs. As a Construction Manager, Mr. Aadnes is experienced with implementing budgets, performing cost analysis, conducting weekly meetings, and executing all aspects of the HASP and construction sequence.

KEY PROJECTS

Tajiguas Sanitary Landfill, Cells 2A, and 2B, Goleta, CA. Lateral expansion of the groundwater protection system. Mr. Aadnes served as the Quality Assurance Quality Control Lead Supervisor. Components included compacted clay liner, LCRS, 60-mil HDPE, GCL, and non-woven geosynthetics. Earthworks included compaction by nuclear density gauge and sand cone as well as in place permeability Boutwell testing. Both expansion cells consisted of 8 acres.

Hazardous Waste (Class 1) Landfill, WMU 35, Safety Kleen, Buttonwillow, CA. Served as lead soil and geosynthetic technician for the expansion of WMU 35. Monitored and documented approximately 800,000 SF of each geosynthetic component (80-mil thick, textured geomembrane, geocomposite, and geotextiles) installed for the project. Mr. Aadnes was directly responsible for reviewing and approving installers geomembrane documentation as well as setting up a CQA soils laboratory for the on-site testing of earthwork materials. Earthwork consisted of CQA testing of approximately 100,000 CY of Engineered Fill and 100,000 CY of Compacted Soil Liner Material (clay).

Final Cover System, Unit LC-2, Clean Harbors Westmorland Facility. Mr. Aadnes served as the lead soil and geosynthetics CQA monitor for an 11-acre closure cell. Monitored and documented approximately 500,000 SF of each geosynthetic component (80-mil thick, textured geomembrane, geocomposite, and geosynthetic clay liner) installed for the project. Earthwork consisted of CQA testing of approximately 100,000 CY of protective cover soil.

Phase IB 2021, Red Dog Mine, Teck Alaska, Arctic Borough. Mr. Aadnes served as the lead CQA monitor and provided Construction Management services as requested by the client for a 40-acre cover system north of the Arctic Circle. Mr. Aadnes monitored and observed 1.3 million SF of both 40-mil LLDPE geomembrane and drainage geocomposite. Mr. Aadnes also provided CQA oversight to several drainage channels and cover soil placement.

Hector Garcia | CQA Monitor

OFFICE LOCATION | Sacramento, California

YEARS WITH GEOSYNTEC | 2.5 Years

CREDENTIALS

RELEVANT TAJIGUAS EXPERIENCE

- BS, Civil Engineering, San Francisco State University
- Troxler Certified Nuclear Moisture/Density Gauge Operation
- OSHA Certified 40-Hour HAZPOWER (29 CFR 1910.120)
- Certified, HAZMAT Certification (49 CFR 172, Subpart H)

- Lead CQA Monitor for Tajiguas Phase IIIF GWPS and Sunshine Canyon Front Entrance Project
- Provided CQA for various forms of earthwork and liner components of landfill construction.
- Field soils testing experience including in-place moisture/density, and visual classification

Mr. Garcia is a Site Manager with over 7 years of professional experience in geotechnical and environmental engineering. Mr. Garcia provides geotechnical and environmental engineering analysis, design, and CQA services – experienced with field inspections and investigations, construction monitoring, materials sampling, and testing for soils, asphalt, and concrete. Mr. Garcia also provides services in construction project management: remediation oversight at contaminated sites and construction management; QA/QC oversight and inspection; CQA Plan implementation; monitoring equipment and personnel hours; directing and monitoring hot-mix asphalt roller operations; tracking materials import and export; review of contractor submittals; construction documentation including the preparation of daily and weekly progress reports, meeting agendas, and minutes; providing traffic control; tracking and resolving punch list items; attending project closeouts; review of invoice reports; and review of project letters of completion.

KEY PROJECTS

Tajiguas Sanitary Facility, Phase IIIF Groundwater Protection System, Santa Barbara, CA. Performed CQA oversight of earthwork and liner installation activities for a cell expansion project. Oversight included 100,000 ft² of 60mil thick double sided textured HDPE geomembrane, 100,000 ft² of GCL, and 116,000 ft² of geotextile installation. Performed field nuclear moisture/density tests for the subgrade and anchor trench backfill. CQA of geomembrane, GCL, geotextile, protective cover soil, leachate collection piping, landfill gas piping, and drainage aggregate.

Sunshine Canyon Landfill Ultimate Entrance Improvement (Phases 1-4), Sylmar, CA. Performed CQA oversight of earthwork activities involving large-scale excavation, backfilling, and regrading – tracked volumetric quantities for geotechnical cut/fill operations, performed in-situ moisture and density testing [using nuclear moisture-density gauge and sand cone method]. Performed observation and testing of concrete placement – concrete cylinder sampling, and in-situ slump and air content tests. Monitored the installation of perforated and solid HDPE pipes and geotextile as a part of the subdrain system. The project involved approximately 225,000 CY of excavation and 470,000 CY of engineered fill.

WEZU 24-25 Access Road Construction, Valencia, CA. Performed CQA oversight of earthwork activities during excavation and embankment of native soil – tracked volumetric quantities for geotechnical cut/fill operations, performed in-situ moisture and density testing [using nuclear moisture-density gauge]. Performed construction monitoring of hot-mix asphalt (HMA) paving operations. Performed SWPPP inspection and reporting. Performed inspection and reporting for hydroseed slope stabilization.



Peter Pouwels | Construction Manager

OFFICE LOCATION | San Fernando Valley, California

YEARS WITH SWT | 3 Years

CREDENTIALS

- BS, Mechanical Engineering, California State University, Los Angeles
 - Mine Safety and Health Administration (MHSA)
 - Construction Quality Assurance certified through Geosynthetic Accreditation Institute (Certification Number 1031-22, expires 1/17/27).
-

Mr. Pouwels is a Construction Manager who joined SWT Engineering in 2021. His experience includes Project Management, Construction Management, strategic analysis, and administration. For over 20 years, he has held various senior management level positions in the construction industry, including the construction materials industry. In addition, Mr. Pouwels has served on the Boards of numerous industry associations including the State Minerals Association (CIMA), San Diego Rock Producers Association (SCRPA), and California Asphalt Producers Association (CAPA), to name a few.

KEY PROJECTS

Flathead County Landfill – Phase V Liner Construction Project. Duties include providing day-to-day CM and CQA of the construction activities with on-going landfill activities, monitoring activities of contractors, providing CQA testing and sampling as needed, to ensure project meet the design standards (earthwork, liner installation, leachate collection, landfill gas improvements, and groundwater protection systems), and acting as liaison between the County of Flathead and the general contractor on all project related issues.

Santa Maria Regional Landfill Cell 1 Extension Project. Construction Manager: Duties include providing day-to-day oversight of construction activities with on-going landfill activities, monitoring activities of contractors, providing CQA to ensure the project meet the design standards (earthwork, liner installation, landfill gas improvements, and groundwater protection systems), and acting as liaison between the City of Santa Maria and general contractor on all project related issues.

Watsonville Phase II Closure and Phase IV Liner Project. Construction Manager: Duties include providing day-to-day Construction Management (CM) oversight of construction activities for the concurrent Closure and Liner Projects on site monitoring activities of the contractors to ensure the project meet the design standards (earthwork, liner installation, landfill gas improvements, and groundwater protection systems). Mr. Powels is serving as a liaison between the City of Watsonville and the general contractor on all project related issues.

Appendix B - Attachments A & B


Attachment A - Agreement for Services for Independent Contractor



AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

Attachment A contains the Standard Agreement used by the County for technical services and added clauses by the State Auditors; no changes will be made to the Standard Agreement language. Contractors are required to review the Standard Agreement and acknowledge their acceptance of the terms of the Standard Agreement language in the space provided below. Failure to acknowledge acceptance of the Standard agreement language will cause the rejection of the proposal without further consideration.

Geosyntec Consultants, Inc. _____ acknowledges acceptance of the terms of the Standard Agreement, "Agreement for Services of Independent Contractors."

Signature:  _____

Attachment B - Consultant Information Sheet

CONSULTANT Information Sheet

Name of Consultant Geosyntec Consultants, Inc.

Business P.O. Box N/A

City, State, Zip N/A

Business Street Address 118 E Carillo St.
(Include even if P.O. Box is used)

City, State, Zip Santa Barbara, CA 93101

Telephone No. (805) 897-3800 **Fax No.** N/A

Contractor License No. 766859 **License Classification** Class A

Public Works Contractor Registration No. 1000016329

Business Type (Check One) **Corporation:** x **Partnership:** **Sole Proprietorship:**

Contact Person Name Yonas Zemuy, PE - Senior Principal

Contact Person Phone No. (714) 465-1256

Contact Person Email yzemuy@geosyntec.com

Employer's Tax Identification Number 59-2355134

