

September 4, 2026

Ben Hill County Board of Commissioners
Attn: Hampton Raulerson, County Manager
212 E Central St
Fitzgerald, GA 31750

Subject: Statement of Qualifications – Engineering Services for Closure of Municipal Solid Waste and Construction & Demolition Landfills

Dear Commissioners:

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this Statement of Qualifications (SOQ) to the Fitzgerald-Ben Hill County Regional Solid Waste Management Authority (Authority) for engineering services related to the closure of the municipal solid waste (MSW) and construction and demolition (C&D) landfill units in Ben Hill County, Georgia. We understand that this important project will require a coordinated program of regulatory engagement, engineering design, procurement support, construction administration, construction quality assurance/quality control, and final closure documentation—all implemented in accordance with Georgia Environmental Protection Division (GA EPD) requirements and applicable requirements for Georgia Environmental Finance Authority (GEFA) funded-projects.

In this SOQ, we highlight our project team's bench strength, proven track record of success, existing working relationship with GA EPD, and unique qualifications that set us apart from the competition. In our 40+ year history, we have served more than 300 municipalities across the United States (U.S.) with a variety of solid waste engineering and environmental services. In addition, we have an extensive history of providing solid waste engineering and environmental engineering services to municipal, state, federal, and private-sector clients throughout Georgia under continuing service contracts, which included services for more than 40 Georgia landfills. We take pride in delivering advice, recommendations, and solutions of exceptional value, serving as advocates for our clients and extensions of their staff.

What Geosyntec Uniquely Offers to the Authority?

Based on our understanding of closure project objectives, Geosyntec can offer the Authority the following unique qualifications that will benefit the project:

- **Strong Relationships with GA EPD** – For more than four decades, Geosyntec's Georgia professionals have worked collaboratively with GA EPD on solid waste permitting, closure design, compliance planning, permit modifications, facility-wide stability evaluations, and other complex regulatory matters. We have supported more than 40 municipal and private landfills across Georgia and routinely work with GA EPD staff to address technical comments, facilitate efficient reviews, and develop practical, defensible solutions.
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- **Extensive Landfill Closure implementation Experience** – Geosyntec supports landfill projects through the full closure lifecycle—from site assessment and final cover design through bidding, construction administration, field QA/QC, certification, and post-closure documentation. Our representative experience includes traditional and alternative final cover systems, geosynthetics, drainage and erosion controls, landfill gas and leachate infrastructure, construction observation and testing, as-built documentation, and preparation of final CQA reports.
- **Local Presence and Availability** – The project will be performed by a dedicated team and led by experienced Georgia-licensed professionals based in our Kennesaw office, which is within a convenient driving distance from the landfill (as well as GA EPD and GEFA offices should the need arise). This local presence will provide the Authority with responsive senior-level attention, timely responses to your requests, and familiarity with Georgia regulatory expectations and contracting practices.
- **Skills to Address Challenges** – Geosyntec will marry our experience in addressing technical landfill challenges with site-specific analysis to develop efficient and cost-effective engineering solutions. Geosyntec is well-positioned and qualified to advise and provide the Authority with support regarding the other service groups.
- **Ability to Support GEFA Funding Compliance** – Geosyntec has extensive experience assisting public-sector clients with projects funded through state and federal grant and loan programs. This experience will be integrated into project planning and delivery to satisfy funding requirements. This will help the Authority minimize administrative challenges, maintain project momentum, and maximize the value of its GEFA funding.

Geosyntec will approach this assignment as an extension of the Authority's team. Our goal will be to provide a technically sound and cost-effective closure program that manages regulatory and funding requirements, produces clear and construction-ready documents, and supports successful implementation from initial assessment through final acceptance.

We appreciate the opportunity to submit our qualifications and look forward to discussing how Geosyntec can support the Authority in delivering this important landfill closure project. Please contact us if we can provide any additional information.

Sincerely,



Tamer Elkady, PhD, PE
Principal
404.663.7367
telkady@geosyntec.com



Scott Graves, PE
Senior Principal
512.619.8580
sgraves@geosyntec.com

Engineering Statement of Qualifications

Engineering Services for Closure of Municipal Solid Waste (MSW) and Construction & Demolition (C&D) Landfills

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NAME OF FIRM: Geosyntec Consultants, Inc.

ADDRESS: 1255 Roberts Boulevard, Suite 200
Kennesaw, GA 30144

1. **Years in Business in Present Form:** 43

2. **Firm's History and Resource Capability to Perform Required Services**

Describe your firm's history, organizational structure, and qualifications to perform landfill closure engineering services. Include your firm's experience with solid waste facilities, environmental engineering, geotechnical engineering, and construction administration.

Since its founding over 40 years ago, Geosyntec has helped both public and private-sector clients in the solid waste management industry with the permitting, design, construction management, and closure of landfills, leachate and gas management systems, and waste transfer stations.

Key points on our history, organizational structure, and qualifications include:

- Founded in 1983
- 3,000 employees companywide, 140 offices
- Solid waste services have been a core practice since our founding.
- Atlanta Office was Geosyntec's 2nd Branch Office – started in 1986 and now has grown to over 120 professionals with two Atlanta Metropolitan Area office locations.
- Geosyntec is ranked #36 in Engineering News-Record's Top 500 Design Firms, including a ranking of #3 in the Top 10 Solid Waste firms.
- Our company organization is structured to put high-level decision-makers close to clients and projects.
 - For example, both Geosyntec's CEO and the Vice President of Regional Operations are located in our Kennesaw, GA office, have extensive landfill design and construction experience, and are empowered with the ability to ensure availability of resources and timely execution of this project.
- Geosyntec has 77 Georgia engineers (civil, geotechnical, environmental), 21 geologists, 10 CAD designers, and eight construction services technicians.
- Geosyntec professionals have authored more than 100 articles and papers focused on the best practices for handling solid waste.

Relevant Experience

Key points on relevant experience that demonstrate our qualifications to perform landfill closure engineering services, as well as related services involving similar scopes and work

types at landfills and related geotechnical/environmental engineering projects include:

- Served over 500 solid waste facilities.
- This includes 600 QA/QC projects.
- Experience with the full lifecycle of landfill services (feasibility studies, economic needs analyses, conceptual design, master planning, permitting, geotechnical and hydrogeologic site investigations, detailed engineering design, construction packages, construction cost estimates, bid and construction support, QA/QC, final facility closure, post-closure inspections.)
- Full-service capabilities, including provision of complementary services often needed at landfill facilities (stormwater permitting and compliance, groundwater monitoring, ecological studies such as wetlands and endangered species, traffic studies, cultural resources/archaeological, local zoning and development permitting, etc.)
- Strong expertise in full array of landfill technologies (layout and grading; capacity and site life; drawings and technical specifications; geotechnical design; stormwater management systems; erosion protection and sediment control; landfill gas management; borrow studies; liner and leachate collection system design; final cover system design; alternative cover and liners; leachate management, treatment, and storage; seismic site response, etc.).
- In-depth knowledge of Subtitle D landfill regulations, design standards, construction techniques, and emerging trends/innovations.
- Good reputation and working relationship with Georgia Environmental Protection Division (GA EPD), including projects involving regulatory staff in Air Protection, Land Protection, and Watershed Protection Branches.
- Well-versed in GA EPD Solid Waste Management Program rules & laws, technical guidance, content and format of applications

Experience of Key Personnel for this Project

Scott Graves, PE

Mr. Graves has been involved in over 200 landfill projects at over 50 facilities, at sites ranging in size from a few acres, to over 700 acres. He has over 33 years of experience, including over 10 years working on Georgia solid waste projects. His technical specialties include site layout for landfill grading and drainage; preparation of drawings and specifications for construction of lined cells and final capping; design of stormwater management systems; liner and final cover system design using natural soils and geosynthetics; geotechnical investigation and data interpretation; leachate management system design; landfill gas management system design; and developing plans for landfill operations, maintenance, and long-term post-closure care. His construction management (CM)/construction quality assurance (CQA) experience at over a dozen facilities ranges from construction of landfill and impoundment liners and caps, gas collection and control system installation, earthwork, clay liner test pad programs, geosynthetics installation, retaining walls, waste regrading, asphalt and concrete paving, and bridge construction.

Tamer Elkady, PhD, PE

Dr. Elkady serves as a project manager for the siting, design, permitting, and closure of MSW, hazardous, and coal combustion residual (CCR) waste containment facilities for private and public clients. He has over 30 years of experience, including over 8 years working

on Georgia solid waste projects. He has vast experience in leading site acceptability studies, landfill design calculations, preparation of narrative plans, geotechnical subsurface investigation and testing, and landfill gas and leachate management design. Dr. Elkady has been in charge of the preparation of construction drawings, technical specs, CQA plans, and bid documents for several waste containment facilities. He also provided project and CM services through the contractor bid and award process and construction phases. Dr. Elkady has also served as a technical expert on several forensic stability analyses of landfill slopes that experienced excessive movement and provided cost-effective retrofits to maintain their stability.

Livingstone Dumenu, PhD, PE

Dr. Dumenu serves as a project engineer and project manager for MSW landfill, CCR closure, and environmental remediation projects for public and private clients. His experience includes landfill expansion and closure design, landfill slope stability evaluations, geotechnical investigations, cone penetration testing, settlement analyses, and geotechnical instrumentation monitoring. He has supported the preparation of engineering reports, design calculations, permit applications, construction drawings, technical specifications, and CQA documentation for landfill, CCR, and remedial design projects. Dr. Dumenu has also provided construction support and project management services during design and construction. His technical experience includes two- and three-dimensional slope stability analyses, Hydrologic Evaluation of Landfill Performance modeling, liner and leachate collection system design, and facility-wide stability assessments for landfill and CCR facilities.

Fabian Benavente, PE

Mr. Benavente is a civil/construction engineer whose practice focuses on CM and CQA landfill related projects, having served as the CQA manager and certifying engineer for a variety of solid waste projects involving lateral and vertical expansions, the construction of new cells at landfills, and the closure of ash ponds via final capping. He was also the on-site engineer in charge of the CQA team for the Whitehouse Waste Oil Pits Superfund Site, a project entailing in-situ encapsulation with a 70-foot-deep slurry wall and a multi-layer geosynthetics cap. Mr. Benavente is the certifying engineer and construction services lead for a landfill in North Carolina; the project includes building in excess of 60 acres of landfill cells. Mr. Benavente is has also recently provided similar services for projects in Georgia, Mississippi, and Alabama.

Erik Miller

Mr. Miller has more than 28 years of practical field and laboratory experience providing CM, CQA, and construction material testing (CMT). Mr. Miller is experienced in the installation of structural, geotechnical, and geosynthetic materials, leachate conveyance systems for waste management facilities, and site development. He has overseen the installation of approximately 3 million square feet of geomembrane and other geosynthetics as well as directing sampling and testing programs for soil, asphalt, and concrete both in the field and in geotechnical and CMT laboratories. Mr. Miller has evaluated field engineering modifications, developed technical specifications and CQA plans, reviewed design and construction plans for constructability, developed cost estimates, and managed both field and laboratory data using various databases and database software to track soils and geosynthetic data. Mr. Miller is a skilled project manager, with experience in in-field management of site personnel and contractors, resource loading and scheduling, work plan review, and adherence to project work plans, project CQA plans, and contractual

requirements.

3. **Experience with Similar Projects**

Provide a summary of your firm's experience with projects similar in scope and complexity, including the closure of MSW and Construction & Demolition (C&D) landfills. For each project, include project name, owner, location, year completed (or current status), construction cost, scope of services provided, contact name and telephone number.

Geosyntec has performed hundreds of landfill closures across the U.S. with similar scopes and complexity as will be required for this project. The projects listed below provide a representative summary of our experience with landfill closures having similar scope elements as are anticipated for this project and were selected based on geographic proximity and involvement by key personnel who are proposed to form the core team for this project.

Project Name	Owner	Year Completed (or current status)	Construction Cost	Scope of Services	Contact Name and Telephone Number
Altair Disposal Services MSW Landfill, Cells 202-206 Closure	Clean Harbors, Inc.	2022	Approx. \$2.5 Million	Permitting, - Regulatory coordination, Surveying coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction, QA/QC, Preparation of full-facility closure report including as-built survey drawings.	Jay Adair (580) 697-3578
Winyah Class Three Landfill Area 1 and Area 2 Closure	Santee Cooper	Area 1: 2023, Area 2: Ongoing	Area 1: Approx. \$14.9 Million, Area 2: TBD	Permitting, Regulatory coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction.	Tom Henderson (843) 761-8000 x5734
Covel Gardens Landfill, 2024 Final Capping Increment	Waste Management, Inc.	2024	Approx. \$1.1 Million	Surveying coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction.	Jayson Lang (512) 823-2893
Southeast CCR Landfill	Confidential Client	2017	Approx. \$12M	Permitting, Regulatory coordination, Surveying coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction, QA/QC; and	available upon request

Project Name	Owner	Year Completed (or current status)	Construction Cost	Scope of Services	Contact Name and Telephone Number
				closure certification services.	
Deer Park East Landfill Closure	Clean Harbors, Inc.	2025	Approx. \$1.8 Million	Surveying coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction, QA/QC, Preparation of landfill closure report including as-built survey drawings.	Jay Adair (580) 697-3578
Lone Mountain Landfill Cell 15, Phase 5 Closure	Clean Harbors, Inc.	Ongoing	Approx. \$1.6 Million	Permitting, Regulatory coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction.	Doug Schrantz (781) 556-9608
Butler Green Industrial Landfill	Matrix Environmental	2022	Approx. \$4M	QA/QC; and Certification services.	Richard Satkin (256) 847-0780
Covel Gardens Landfill, 2017 Final Capping Increment	Waste Management, Inc.	2017	Approx. \$0.9 Million	Permitting, Regulatory coordination, Surveying coordination, Engineering design, Preparation of construction bid documents, Engineering support during construction, QA/QC, Preparation of landfill phase closure report including as-built survey drawings.	Jayson Lang (512) 823-2893

4. Knowledge of Applicable Regulations

Describe your firm's experience working with the Georgia EPD, the Georgia Environmental Finance Authority (GEFA), and other applicable regulatory agencies on landfill closure or solid waste projects.

Geosyntec has maintained a strong and collaborative working relationship with the GA EPD through more than four decades of continuous work throughout the state. Our Georgia-based professionals routinely support municipal, private, and industrial clients in navigating regulatory requirements, obtaining permit approvals, resolving compliance issues, and

developing technically sound engineering solutions. Geosyntec has worked directly with multiple GA EPD programs, including solid waste, underground storage tanks, hazardous waste, brownfields, surface mining, and environmental remediation, and is recognized for providing technically defensible analyses and practical solutions that facilitate regulatory review and approval.

In the solid waste sector, Geosyntec has served as the engineering consultant to more than 40 municipal and private landfills in Georgia and has extensive experience with Georgia's Rules for Solid Waste Management. Our team has successfully prepared permit applications, facility-wide stability plans, landfill expansions, permit renewals, closure designs, construction documents, and regulatory compliance plans for facilities across the state. Geosyntec has obtained permit modification approvals from GA EPD for facilities including Chesser Island Road Landfill, Bartow County Landfill, Eagle Point Landfill, Turkey Run Landfill, Pine Bluff Landfill, and Turner Bend Road Landfill, and has supported five-year permit renewals and ongoing regulatory coordination for numerous Georgia landfills. Our professionals routinely interact with GA EPD staff to address technical comments, support permit reviews, and resolve operational and compliance challenges.

Beyond facility-specific permitting and compliance efforts, Geosyntec is currently providing statewide support directly to the GA EPD through the development of a Post-Consumer Materials Management Plan and statewide waste characterization study. This work is helping GA EPD evaluate waste diversion opportunities, improve material recovery infrastructure, promote circular economy initiatives, and support long-term solid waste planning across Georgia. Collectively, these projects demonstrate Geosyntec's deep understanding of Georgia regulatory requirements, established relationships with GA EPD staff, and proven ability to deliver technically robust solutions that support both client objectives and regulatory compliance.

Geosyntec has extensive experience helping public-sector clients secure, manage, and implement projects funded through a variety of state and federal grant and loan programs. Geosyntec routinely supports clients with funding applications, development of technical justifications, preparation of engineering reports and cost estimates, project prioritization, funding compliance documentation, and coordination with funding agencies. Throughout project execution, our professionals assist with grant and loan administration requirements, including budget tracking, procurement support, progress reporting, regulatory coordination, construction oversight, and documentation necessary to satisfy funding conditions.

For the proposed final cover closure project, this experience will help ensure that all project activities are planned and executed in accordance with GEFA funding requirements while maintaining compliance with applicable regulatory standards and project schedules. Geosyntec's familiarity with preparing funding-related documentation, managing project budgets, supporting procurement and contracting processes, and providing timely reporting will help minimize administrative challenges and facilitate efficient project delivery. By integrating funding compliance considerations with engineering design, permitting, CQA, and project management, Geosyntec can help the Owner maximize the benefits of GEFA funding while delivering a technically sound and cost-effective landfill closure project.

5. **Firm Organization**

List the names, titles, business addresses, and professional registrations of all principals or officers of the firm.

Geosyntec has more than 300 principals and officers companywide. The information for the principals or officers of the firm in the leadership chain-of-command for the Fitzgerald and Ben Hill County Regional Solid Waste Management Authority landfill closure project includes:

Tamer Elkady, PhD, PE

Principal

Georgia PE No. 46232

1255 Roberts Blvd, Suite 200

Kennesaw, GA 30144

Scott Graves, PE

Senior Principal

Georgia PE No. 46232

8627 N Mopac Expy, Suite 300

Austin, TX 78759

Jeremy Gasser, PE

Senior Services Director

Georgia PE No. 43417, and 6 other states

1255 Roberts Blvd, Suite 200

Kennesaw, GA 30144

Cuneyt Gokmen, PE

Operations Vice President

Georgia PE No. 28504, and 4 other states

1255 Roberts Blvd, Suite 200

Kennesaw, GA 30144

Eric Kovich, PE

SVP-Regional Operations

PE in PA and VA

12802 Tampa Oaks Blvd, Suite 151

Tampa FL 33637

Leslie Griffin, PE

Regional President

Georgia PE No. 29228, and 1 other state

1255 Roberts Blvd, Suite 200

Kennesaw, GA 30144

Majdi Othman, PhD, PE

CEO and President

Georgia PE No. 23204, and 16 other states

1255 Roberts Blvd, Suite 200

Kennesaw, GA 30144

6. **Professional Licenses and Registrations**

List all applicable professional licenses, certifications, and registrations held by the firm and key personnel, including Professional Engineers licensed in Georgia.

Corporate Georgia State Engineering License No. PEF000260



Scott Graves, PE

Georgia PE No. 23730, and 10 other states
Senior Principal



Tamer Elkady, PhD, PE

Georgia P.E. No. 46232
Principal



Livingston Dumenu, PhD, PE

Georgia, PE No. 53267, and 2 other states
Project Engineer



Fabien Benavente, PE

Georgia PE No. 42795, and 5 other states
Principal

7. **Does your firm carry Errors and Omissions Insurance?** YES ☒ NO ☐

8. **Project Understanding and Approach**

Briefly describe your understanding of the project and your proposed approach to completing the landfill closure, including regulatory coordination, design, permitting, construction administration, QA/QC, and post-closure documentation.

Geosyntec's Understanding of the Project

Geosyntec understands this project is for closure of the MSW and C&D units at the facility commonly referred to as the Ben Hill County Landfill, operated by the Fitzgerald-Ben Hill County Regional Solid Waste Management Authority (Authority), and located northeast of the City of Fitzgerald in Ben Hill County, Georgia. According to GA EPD, the facility is identified as Fitzgerald, Kiochee Church Road, Phase 2, under Solid Waste Disposal Permit No. 009-005D(SL). The facility's Design and Operational Plan dates back to April 8, 1994, reflecting a long history of waste disposal at the site. The landfill has been subject to GA EPD's ongoing regulatory requirements, including closure/post-closure planning,

groundwater monitoring, and methane monitoring. In November 2025, the Authority notified GA EPD of its intent to close the MSW and C&D landfill units, with funding provided through the GEFA.

Approach for Project Implementation

Based on the Authority's Request for Proposal for Engineering Services, it is apparent that the closure project will encompass a wide range of activities, including site assessment, data collection (if needed), regulatory coordination and permitting, engineering design, preparation of bid documents, construction administration, quality assurance/quality control (QA/QC), and post-closure documentation. Based on this understanding and our experience with landfill closure projects having a similar scope and complexity, Geosyntec has prepared a structured, step-by-step approach to execute the project, ensuring logical sequencing of activities and alignment with the project's objectives. Each step is designed to build upon the previous one, addressing data gaps, refining the design, and preparing for successful project implementation.

We anticipate that if Geosyntec is chosen for this project based on the qualifications-based selection process, the next steps would include providing a cost proposal. Customarily, at that stage we would engage in open dialogue with the Authority to learn more about the specific project objectives and key drivers (e.g., if there are particular funding constraints, schedule deadlines, materials availability and usage concerns, long-term maintenance approach, and the like). This will allow Geosyntec to craft a detailed cost proposal appropriately adapted for specific tasks and work activities that are aligned with the Authority's project objectives and key drivers, and in a manner that minimizes risks to the Authority and other project stakeholders. With this in mind, our high-level project approach presented herein is intended to be flexible and will be tailored based on additional information provided during follow-on discussions with the Authority. A brief description of each step of our envisioned approach is presented below.

Step 1 – Review of Available Data and Site Visit

This step will involve conducting a detailed review of all available site information relevant to the design and construction of the final cover system. Information typically needed for landfill closure designs includes the current design and operation plan for the landfill, recent topographic survey data, as-built documentation, and existing landfill infrastructure (e.g., roads, leachate and gas management systems, stormwater features).

This step would also involve a Geosyntec site visit to verify the findings from the review of the documents to observe existing conditions within and adjacent to the proposed closure area. Based on the data review and site visit, Geosyntec will evaluate whether additional pre-design activities are required or otherwise beneficial to gather the information required to complete a technically sound, environmentally-compliant, and cost-effective final cover design.

Step 2 – Conduct Kickoff Meeting and Develop Implementation Plan

As part of this step, a kickoff meeting will be held with the Authority to discuss our findings from Step 1, confirm alignment on the project objectives, and work together to refine the scope of subsequent steps as appropriate. Discussions during the meeting will focus on whether additional data collection/field investigations are recommended; advantages and disadvantages of possible design enhancements or alternatives that could lower costs,

improve constructability/schedule, lower long-term maintenance, or improve reliability and resilience of the closed landfill; and project schedule with milestones. The outcome of this step will be an agreed-upon path forward with respect to data needs, design criteria and approach, construction contracting strategy, and refined timing/schedule of key activities.

Step 3 – Field Investigations (if needed)

If the outcome of Steps 1 and 2 identifies data gaps related to surveying and geotechnical conditions deemed critical to complete the design, or advisable to provide a better project outcome (e.g., cost savings, schedule and cost certainty), a targeted work plan for field investigations will be developed and implemented to address these needs as part of this step. As needed, surveying will be performed to obtain recent topographic data. In addition, surveying will be performed to identify existing infrastructure that may conflict with the final cover system design.

The need for geotechnical investigations will depend on the quality and availability of existing site data. Situations that may necessitate geotechnical work include borrow material evaluations, testing of stockpiled materials, or addressing landfill-specific concerns such as undefined liner or waste limits, perched leachate, soft/weak subgrades, or slope instability. If required, Geosyntec will employ targeted field techniques, such as borings, test pits, cone penetration tests, or piezometer installations, to collect the necessary data.

Step 4 – Perform Engineering Design

Geosyntec's envisioned approach for this step would be to advance the engineering design using the agreed-upon design criteria that align with the permit, GA EPD regulations, and any project-specific requirements identified/desired by the Authority. As part of the engineering design step, Geosyntec will conduct engineering analyses that may be needed based on the outcome of the previous steps to support the design (e.g., for selection of material properties, sizing of drainage features, changes from the permitted design).

The engineering design will also include the development of a set of engineering drawings, progressing from an intermediate stage for client review, to a final stage ready for incorporation into the bid documents (see next step). These drawings will define the limits of the final cover, proposed grading, final cover configuration, drainage features, geosynthetic components, tie-ins to existing systems, landfill gas venting or collection modifications or additions as needed, erosion and sediment control measures, and other critical construction details.

If the Authority opts to pursue alternative final cover systems or other design options, or if other closure design features trigger the need for permit revisions/updates, Geosyntec will prepare the necessary documentation to support a permit modification. This documentation will be submitted to the GA EPD for review and approval.

Step 5 – Prepare Construction Bid Documents

For this step, Geosyntec will prepare a package of construction bid documents. These documents will include final issued-for-construction drawings; technical specifications; CQA plan; bid form; engineer's construction quantity estimates; and other supporting technical information necessary for bidding and for use during construction.

Step 6 – Provide Bid Support and Construction Administration

This step is to support the Authority in selecting a qualified contractor and performing

construction administration to facilitate the efficient implementation of this project. The level of support would be tailored to the Authority's desired roles and responsibilities of Geosyntec and the other project parties. At the bidding stage, we envision this support would include participating in pre-bid meetings, addressing technical inquiries and issuing bid addenda, reviewing contractor bids for alignment with project requirements, and preparing recommendations to assist the Authority in making an informed contractor selection. During the construction stage, Geosyntec can offer an array of potential services and roles depending on the Authority's desired delegation of responsibilities. In general, we anticipate that these construction administration services would include leading regularly-scheduled construction progress meetings; tracking contractor production rates, quantities, and overall progress; review of contractor invoices; coordinating and assigning change management (e.g., requests for information, design changes, change orders); reviewing and approving contractor work plans, and other related construction-phase management requested by the Authority.

Step 7 - Perform QA/QC Activities and Post-Closure Documentation

For this step Geosyntec will conduct QA/QC activities during construction to monitor and document final cover construction and help assure compliance with project and regulatory requirements. This includes provision of full-time on-site engineering technician(s) during relevant construction activities, periodic site visits by the QA/QC engineer (and design engineer as needed), review of contractor submittals and manufacturer QC data, field and laboratory testing of construction materials and products, survey coordination, and completion of field observation logs presenting collected data and summarizing work activities. After construction is completed, Geosyntec will compile as-built drawings and prepare a final closure certification with a CQA report detailing construction activities, QA/QC testing results, and including comprehensive backup documentation. The final closure certification will be submitted to the GA EPD and other relevant agencies for review and acceptance.

After GA EPD accepts the closure certification and formally places the facility in post-closure care, Geosyntec envisions a project closeout activity to prepare post-closure documentation that would be compiled and "handed off" to the Authority to facilitate the long-term program of routine inspections, recordkeeping, monitoring and reporting, maintenance, and repairs. Geosyntec will prepare post-closure documentation to support regulatory compliance. This typically includes a post-closure care plan package in the form of a narrative that describes the required post-closure activities and frequencies, along with supporting field logs and maps, inspection checklists, permit plans (e.g., closure drawings, groundwater monitoring, surface water monitoring, landfill gas monitoring), vendor cut sheets and manuals, and the like. The goal of the post-closure documentation is to give the Authority a clear and concise set of instructions for conducting ongoing post-closure care (or to contract with third parties for provision of such services).

9. Project Schedule

Provide an estimated schedule for completion of the following:

- Site assessment and field investigations
- Closure design
- Regulatory permitting
- Bid documents
- Construction administration

- Final certification and project closeout

A preliminary estimated schedule for the closure project is presented below, based on the steps described in our project approach. It should be recognized that refined timeframes for each task/activity will be generated at a later time as the project proceeds further in its step-wise manner – beginning with the aforementioned dialogue with the Authority as part of the cost proposal preparation stage and proceeding through a review of available information and identification of data gaps. As further discussions are held with the Authority, we anticipate there will be opportunities to optimize and tailor the schedule to meet the project requirements.

- Site assessment and field investigations
 - Review of Available Data and Site Visits (Step 1): 2 to 4 weeks
 - Kickoff Meeting (Step 2): 1 day
 - Field Investigations (Step 3): 6 to 10 weeks
- Closure design
 - Engineering Design (Step 4): 8 to 12 weeks
- Regulatory permitting
 - Part of Step 4 (if needed): 0 to 12 weeks
- Bid documents
 - Prepare Construction Bid Documents (Step 5) 3 to 5 weeks
- Construction administration
 - Provide Bid Support (Step 6) 6 to 9 weeks
 - Provide Construction Administration (Step 6) (assumed construction duration) 18 to 26 weeks
 - QA/QC (Step 7) (assumed construction duration) 18 to 26 weeks
- Final certification and project closeout
 - Final Closure Certification Report (Step 7) 2 to 4 weeks
 - Post-Closure Documentation (Step 7) 1 to 3 weeks

Our main intent of this estimated schedule is to present rough estimates of typical reasonable durations based on our experience with past closure projects of similar magnitude and complexity. Some of the activities will overlap (i.e., be performed concurrently). Also, Geosyntec would be pleased to consider an accelerated (or extended) schedule if requested by the Authority.

10. **Key Personnel**

List the personnel who will be assigned to this project.

Name	Title	Years of Experience	Professional Registrations	Specific Role on the Project	Relevant Years of Landfill Closure Experience
Scott Graves	Senior Principal	34	Georgia PE No. 23730, and 10 other states	Project Director	20
Tamer Elkady	Principal	25	Georgia P.E. No. 46232	Project Manager	13
Livingstone Dumenu	Project Engineer	12	Georgia, PE No. 53267, and two other states	Assistant Project Manager	6
Fabian Benevente	Principal	25	Georgia PE No. 42795, and five other states	Construction Phase – Project Director	25
Erik Miller	Senior Professional	26	None	Construction Phase – Project Manager	26

11. **Subconsultants**

Identify any proposed subconsultants (geotechnical, surveying, environmental, testing, etc.) and describe the services each will provide.

As described in our project approach, Geosyntec anticipates that the scope of work outlined above may involve field activities to support the landfill closure. These activities could include surveying, such as to obtain updated topographic data for the site and to identify existing infrastructure and features that may interact with the closure design. The activities could also include geotechnical investigations, such as borrow source investigations, landfill and berm strength and compressibility characterizations, assessing the thickness and quality of the existing soil cover on the landfill, or obtaining other field-based geotechnical and layout data needed for design or to help verify compliance. To execute these services, Geosyntec will collaborate with local contractors, including the following:



Betts

Betts Drilling (Betts) located in Adel, GA, provides environmental drilling and sampling services for assessment and monitoring. Licensed in the State of Georgia, Betts has the expertise and advanced drilling technology to obtain core samples from any geological formation using direct-push technology (DPT), auger/mud rotary rigs, sonic drilling, and rock coring. In addition, Betts is well-versed in the protocols and guidelines associated with the sampling and remediation of per- and polyfluoroalkyl substances (PFAS). With more sites, including solid waste facilities, requiring characterization for PFAS Betts utilizes the most effective drilling methods to avoid cross-contamination of samples, such as sonic drilling and DPT, and provides meticulous site plans to ensure zero cross-contamination of samples or well/remediation materials.

Since 1993, Betts has been an industry-standard provider of drilling solutions, with a fleet of modern rigs operating across the southern and eastern U.S. Their strong safety record,

with zero lost-time incidents in 2021 and 2022 and an annual Experience Modification Rate below 1.0, makes Betts one of Geosyntec's preferred drilling subcontractors due to their strong commitment to health, safety, and work quality.



GUNNIN SURVEY **Gunnin Land Surveying (Gunnin)** has been a leading professional surveying firm in the Metro-Atlanta area for more than ten years, providing service to the commercial and residential land development markets and the environmental sector as well as the entire spectrum of the surveying industry. Today, Gunnin's team of more than 30 professionals performs surveys across Georgia, Alabama, Florida, Tennessee, and South Carolina. The firm provides environmental and landfill surveys that include surveying for the acquisition of landfill properties as well as the design, construction, certification, operation, monitoring, and closure of landfill facilities in compliance with GA EPD and United States Environmental Protection Agency requirements. Geosyntec and Gunnin have worked as a team together on projects for over a decade.

12. Current Workload and Availability

Describe your firm's current workload and confirm your ability to complete this project within the anticipated schedule.

Geosyntec has based our staffing selection of the key personnel named for this project according to their qualifications, proximity to the site, experience and familiarity working with each other successfully as a cohesive team, and availability. Furthermore, the information provided in Section 2 demonstrates our bench strength, with literally dozens of other Georgia-based and qualified professional staff who will round out our team during various phases of the project and also provide backup support to ensure the project can be completed according to the anticipated schedule. With the commitment of our senior principals and officers of the firm who are based in Geosyntec's Kennesaw Office and have the authority to assign and dedicate teams to projects, we are confident that future work assignments undertaken under this contract are well within our capacity based on current and future workload forecasts and can be sufficiently staffed with the proper resources.

13. References

Provide at least three (3) references for projects of similar scope and complexity completed within the last ten years.

Reference Name	Project Title	Contact Information
Jay Adair, Clean Harbors	SVP Landfill Operations	(580) 697-3578
Tom Henderson, Santee Cooper	Manager, Capital Projects	(843) 761-8000 x5734
Jayson Lang, Waste Management	Engineer	(512) 823-2893