

**STANDARD PROFESSIONAL CONSULTING SERVICES  
CONTRACT DOCUMENTS**

**FOR**

**AGREEMENT BETWEEN  
ESCAMBIA COUNTY**

**AND**

**Geosyntec Consultants, Inc.**

**FORM G: CONSULTING SERVICES FOR STAND-ALONE PROJECTS  
(Revised 2020)**

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**AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES**

**THIS AGREEMENT** is made and entered into this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between Escambia County, a political subdivision of the State of Florida (hereinafter referred to as “the County”), whose address is 221 Palafox Place, Pensacola, Florida 32502, and Geosyntec Consultants, Inc., a Corporation for-profit, authorized to transact business in the State of Florida, FEI/EIN 59-2355134, whose principal address is 900 Broken Sound Parkway NW, Suite 200, Boca Raton, FL, 33487, (hereinafter referred to as the “Consultant”).

**WITNESSETH:**

**NOW, THEREFORE**, in consideration of the mutual terms and conditions, promises, covenants and payments hereinafter set forth, the County and the Consultant agree as follows:

**ARTICLE 1**  
**DEFINITIONS AND IDENTIFICATIONS**

For purposes of this Agreement and the various covenants, conditions, terms, and provisions which follow, the definitions and identifications set forth below are assumed to be true and correct and are, therefore, agreed upon by the parties.

1.1 **BOARD OF COUNTY COMMISSIONERS:** The Board of County Commissioners of Escambia County, Florida, means the governing body of the Escambia County Government.

1.2 **CONSULTANT:** Geosyntec Consultants, Inc. is the Consultant selected to perform professional services pursuant to this Agreement.

1.3 **CONTRACT ADMINISTRATOR:** Whenever the term “Contract Administrator” is used herein, it is intended to mean Don Seitz, Director Escambia County Waste Services Department. In the administration of this contract, as contrasted with matters of policy, all parties may rely upon instructions or determinations made by the Contract Administrator.

1.4 **CONTRACT SERVICES:** The intent of this Contract is to make available certain professional consultant services to Escambia County as outlined herein.

1.5 **COUNTY:** Escambia County is a political subdivision of the State of Florida.

1.6 **LUMP SUM COMPENSATION:** Lump sum computation refers to the method of payment under this Agreement for the professional services of the Consultant.

1.7 **NOTICE TO PROCEED:** A Notice to Proceed is the written authorization issued by the County or the Contract Administrator to commence the Project.

1.8 **PROJECT:** It is the intent of this Agreement that the Consultant provide to the County certain professional services for PD 21-22.124 Escambia County Landfill Siting Design.

**ARTICLE 2**  
**PREAMBLE**

In order to establish the background, context, and frame of reference for this Agreement and to generally express the objectives and intentions of the respective parties herein, the following statements, representations, and explanations shall be accepted as predicates for the undertakings and commitments included within the provisions which follow and may be relied upon by the parties as essential elements of the mutual considerations upon which this Agreement is based.

2.1 Under this Agreement, Escambia County will budget funds during Fiscal Year(s) **2022-2023** in the amount of **One Million Nine Hundred Sixty-Six Thousand Eight Hundred Forty-Eight Dollars (\$1,966,848)** for this Project.

2.2 The Board of County Commissioners has met the requirements of the Consultants' Competitive Negotiation Act, as contained in Section 287.055, Florida Statutes, as amended, and has selected the Consultant to perform the services hereunder.

2.3 Negotiations pertaining to the services to be performed by the Consultant were undertaken between Consultant and a committee selected by the Board of County Commissioners, and this Agreement incorporates the results of such negotiation.

**ARTICLE 3**  
**SCOPE OF WORK**

The Consultant will provide certain professional consultant services for the tasks outlined in Escambia County's Request for Letters of Interest (RLI), Specification No. PD 21-22.124, Escambia County Landfill Siting Design, and as represented in the Consultant's Letter of Interest, subsequent interview, and proposal presentation. In the event of a conflict between the terms of the proposal and this Agreement, the terms of this Agreement shall prevail.

3.1 The basic services to be provided are set forth in **Exhibit A**, attached hereto and incorporated by reference herein, and unless otherwise specified, such services shall be completed in accordance with the standard care in the profession at the time such services are rendered.

3.2 Such services, generally, shall include those services performed by a consultant, its employees, and subcontractors, as more specifically enumerated in the Scope of Work of **Exhibit A** and any other services specifically included therein.

3.3 The Consultant shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished by the Consultant under this Agreement. The consultant shall, without additional compensation, correct or revise any errors or omissions in its designs, drawings, specifications, and other services furnish pursuant to the Agreement.

(a) Neither the County's review, approval or acceptance of, nor payment for, the services required under this Agreement shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement, and the Consultant shall be and remain liable to the County in accordance with applicable law for all damages to the County caused by the Consultant's negligent performance of any of the services furnished under this Agreement.

(b) The rights and remedies of the County provided for under this Agreement are in addition to any other rights and remedies provided by law.

(c) If the Consultant is comprised of more than one legal entity, each such entity shall be jointly and severally liable hereunder.

3.4 The Consultant shall accomplish the design services required under this Agreement so as to permit the award of a contract at a price that does not exceed the estimated construction contract price as set forth in paragraph (b) below. When bids or proposals for the construction contract are received that exceed the estimated price, the Consultant shall perform such redesign and other services as are necessary to permit contract award within the funding limitation. These additional services shall be performed at no increase in the price of this Agreement. However, the Consultant shall not be required to perform such additional services at no cost to the County if the unfavorable bids or proposals are the result of conditions beyond its reasonable control.

(a) The Consultant will promptly advise the County if it finds that the project being designed will exceed or is likely to exceed the funding limitations, and it is unable to design a usable facility within these limitations. Upon receipt of such information, the County will review the Consultant's revised estimate of construction cost. The County may, if it determines that the estimated construction contract price set forth in this Agreement is so low that award of a construction contract not in excess of such estimate is improbable, authorize a change in scope or materials as required to reduce the estimated construction cost to an amount within the estimated construction contract price set forth in paragraph (b) below, or the County may adjust such estimated construction contract price. When bids or proposals are not solicited or are unreasonably delayed, the County shall prepare an estimate of constructing the design submitted and such estimate shall be used in lieu of bids or proposals to determine compliance with the funding limitation. In the event the county increases the amount in (b) below the compensation to the consultant may be increased equitably.

(b) The estimated construction contract price for the project described in the Agreement is Fifteen Million Dollars \$15,000,000.00.

3.5 The Consultant may be liable for County costs resulting from negligent, reckless, or intentionally wrongful errors or omissions in designs furnished under this Agreement, or failure to timely perform its services under this Agreement. Therefore, when a modification to a construction contract is required because of a negligent, reckless or intentionally wrongful error or omission in the services provided under this Agreement, the County (with the advice of technical personnel and legal counsel) shall consider the extent to which the Consultant may be reasonably liable. The County shall enforce such liability and collect the amount due, if the recoverable cost will exceed the administrative cost involved or is otherwise in the County's interest.

**ARTICLE 4**  
**TIME FOR PERFORMANCE**

4.1 The schedule for completion of the Consultant's services shall be in accordance with Exhibit B, which is attached hereto and made a part hereof. Such schedule may be modified from time to time upon the mutual consent of the County and the Consultant.

4.2 These services shall be performed as expeditiously as is consistent with professional skill and care and the orderly progress of the Project. The Consultant's schedule for the performance of its services shall include allowances for periods of time required for the County's review and for its approval of submissions by the Consultant. Time limits established by this schedule, which are hereby approved by the County, shall not be exceeded by the Consultant, except for reasonable cause.

4.3 Prior to beginning the performance of any basic services under this Agreement, the Consultant must receive in writing a Notice to Proceed from the Contract Administrator.

**ARTICLE 5**  
**COMPENSATION AND METHOD OF BILLING AND PAYMENT**

5.1 COMPENSATION: The County agrees to pay the Consultant, as compensation for its services under Section 3.1 of this Agreement, an aggregate fee for certain project tasks pursuant to the fee schedule set forth in Exhibit C, attached hereto and made a part hereof. At the completion of each task, the Consultant will be compensated by a lump sum amount, which has been negotiated for that task, unless otherwise mutually agreed to by the parties hereto. The total fee for all such services, to be performed by the Consultant, including costs, direct expenses, and any other charges described in Section 5.3, is to be paid as follows: A lump sum amount of One Million Nine Hundred Sixty-Six Thousand Eight Hundred Forty-Eight (\$1,966,848). Final payment will be subject to approval by the Board of County Commissioners.

5.2 FEE SCHEDULE: The "fee schedule," as used herein, shall mean the charges shown in Exhibit C for certain tasks to be performed by the Consultant. Such fees shall include, all inclusively the Consultant's salaries of professional and administrative staff, sick leave, vacation, unemployment, excise and payroll taxes, contributions for social security, unemployment compensation insurance, retirement benefits, medical and insurance benefits, air travel, auto travel, telephone, facsimile, reproduction costs, other routine overhead expenses, profit, and all other expenses of every type.

5.3 DIRECT EXPENSES: Direct expenses are those expenses directly attributable to the Project, which will be exclusively borne by Consultant, and are included in its aggregate fee, they shall include, but not be limited to, the following:

- (a) Transportation expenses in connection with the Project.
- (b) Living expenses in connection with travel and any other travel expenses.
- (c) Long distance communications and other miscellaneous budget expenses.
- (d) Cost of printing plans, drawings, and specifications which are required by or of the Consultant to deliver the services set forth in this Agreement. The Consultant agrees and understands that it will furnish to the County two (2) sets of all Project plans, reports, and specifications in a bound format acceptable to the County.

- (e) Cost of any software or hardware used or developed for the Project, including CAD/CADD time.

5.4 METHOD OF BILLING AND PAYMENT:

- (a) For lump sum contracts, the Consultant may submit bills to the County at the completion and approval of each task or at the partial completion of a task on a pro-rata basis. However, requests for payment shall not be made more frequently than once a month. The Consultant shall submit such monthly statements identifying the nature of the work performed.

Calculations shall be made monthly of the amount and value of the work accomplished and services performed by the Consultant which meet the standards of quality established under this Agreement. The estimates shall be prepared by the Consultant and accompanied by such supporting data as required by the Contract Administrator.

- (b) Payments under this Agreement and interest on any late payments shall be governed by the Local Government Prompt Payment Act, §§ 218.70, et seq., as amended.

5.5 NOTICES:

- (a) Any notice, invoice, payment, or other communication under this Agreement required hereunder or desired by the party giving such notice shall be given in writing and delivered by hand or through the instrumentality of certified mail of the United States Postal Service or other private courier service, such as Federal Express.

- (b) Unless otherwise notified in writing of a new address, notices, payment, and invoices shall be made to each party at the below listed addresses. Rejection, or other refusal by the addressee to accept, or the inability of the courier service, or the United States Postal Service to deliver because of a changed address of which no notice was given, shall be deemed to be receipt of the notice sent. Any party shall have the right, from time to time, to change the address to which notices shall be sent by giving the other party at least ten (10) days prior notice of the address change.

- (c) Payments and Notices to the Consultant shall be made to:

Daniel A. Schauer, P.G.  
Geosyntec Consultants, Inc.  
900 Broken Sound Parkway NW, Suite 200  
Boca Raton, FL, 33487

- (d) Invoices to the County shall be sent to:                      Notices to the County shall be sent to:

Don Seitz, Director  
Escambia County Waste Services Dept  
13009 Beulah Road, Cantonment, FL  
Pensacola, Florida 32533

County Administrator  
P.O. Box 1591  
Pensacola, Florida 32597-1591

**ARTICLE 6**  
**ADDITIONAL SERVICES AND CHANGES IN SCOPE OF WORK**

6.1 The County or the Consultant may request changes that would increase, decrease, or otherwise modify the Scope of Work to be provided under this Agreement. Such changes must be in accordance with the procurement policies of the County and must be contained in a written amendment, executed by the parties thereto, with the same formality and of equal dignity prior to any deviation from the terms of this Agreement, including the initiation of any extra work.

**ARTICLE 7**  
**COUNTY'S RESPONSIBILITIES**

7.1 The County shall furnish to the Consultant, as required for performance of the Consultant's basic services, all available data prepared by or the result of the services of others, including without limitation (as may be appropriate): building plans and related drawings, core borings, probings, and subsurface explorations, hydraulic surveys, laboratory tests, and inspections of samples, materials, and equipment, appropriate professional interpretations of all of the foregoing; environmental assessments and impact Geosyntec Consultants, Inc. statements, appropriate professional interpretations of all of the foregoing; property boundary, easement, rights-of-way, topographic and utility surveys; property descriptions; zoning, deed, and other land use restrictions; and any other special data or consultations relating to this Project.

7.2 The County shall arrange for access to and make all provisions for the Consultant to enter upon public and private property as required for the Consultant to perform its services.

7.3 Within a reasonable time so as not to delay the services of the Consultant, the County shall examine all studies, reports, sketches, drawings, specifications, proposals, and other documents presented by the Consultant, obtain advice of an attorney, insurance counselor, or other Consultants, as the County deems appropriate, for such examinations and the rendering, if required, of written opinions pertaining thereto.

7.4 The County shall furnish approvals and permits from all governmental authorities having jurisdiction over the Project and such approvals and consents from others as may be necessary for completion of the Project.

7.5 The County shall give prompt written notice to the Consultant whenever the County observes or otherwise becomes aware of any development that affects the scope of timing of the Consultant's services, or any defect in the work of the Consultant.

**ARTICLE 8**  
**CONSULTANT'S RESPONSIBILITIES**

8.1 **QUALITY OF SERVICES:**

(a) The Consultant shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, drawings, specifications, and other services furnished pursuant to this Agreement.

(b) To that end, the Consultant shall correct or shall revise, without additional compensation, any errors or omissions in its work product or shall make such revisions as



are necessary as the result of the failure of the Consultant to provide an accurate, more efficient, and properly constructible product in its designs, drawings, specifications, or other services.

(c) The County's review/approval/acceptance of or payment for the services required by this Agreement shall NOT be construed to operate as a waiver of any rights or of any cause of action arising out of the performance of this Agreement. Additionally, the Consultant shall be and remain liable to the County in accordance with applicable law for all damages to the County caused by the Consultant's negligent performance of any of the services furnished under this Agreement.

(d) The rights and remedies of the County provided for under this Agreement are in addition to any other rights and remedies otherwise provided by law.

8.2 **CONSULTANT PROFESSIONAL REGISTRATION AND CERTIFICATION:**

(a) The design services provided to the County by the Consultant shall be certified by professional consultants registered to practice and in good standing in the State of Florida. Any project inspection services also shall be reviewed and shall be approved by such professional consultants.

(b) The survey services provided to the County by the Consultant shall be certified by professional land surveyors registered to practice and in good standing in the State of Florida.

(c) Permit applications to State and Federal agencies prepared by the Consultant shall be signed and shall be sealed by the Consultant, as the project's Consultant of Record. For all such permit applications, post-construction certification also shall be made by the Consultant to the appropriate State or Federal permitting agency.

**ARTICLE 9**  
**GENERAL PROVISIONS**

9.1 **OWNERSHIP OF DOCUMENTS:**

(a) Drawings, specifications, design, models, photographs, reports, surveys, and other data, including intellectual property of any type or description, produced by the Consultant in connection with this Agreement are and shall remain the property of the County whether the Project for which they were made is completed or not. Such ownership also shall include any electronic files developed or created of such documents.

(b) When such documents are provided to other parties, the Consultant shall ensure return of the County's property by collecting, if appropriate, a deposit equal to the cost of reproduction. Such deposit shall be returned if the documents are timely returned in a useable condition. Otherwise, such deposit shall be retained by the Consultant.

## 9.2 TERMINATION:

- (a) This Agreement may be terminated by either party for cause, or by the County for convenience, upon fourteen (14) days written notice by the terminating party to the other party of such termination in which event the Consultant shall be paid its compensation for services performed to termination date, including all reimbursable expenses then due or incurred to the date of termination.
- (b) Termination for cause shall include, but not be limited to, misuse of funds, fraud, lack of compliance with applicable rules, laws, regulations, and ordinances, and failure to perform in a timely manner any provision of this Agreement.
- (c) In no event shall a termination for convenience by the County be deemed a default, and any such termination shall not subject the County to any penalty or other claim for damages. If the Consultant abandons this Agreement or causes it to be terminated, the Consultant shall indemnify the County against any loss pertaining to this termination up to a maximum of 1.3 times the full contracted fee amount of the Project. All finished or unfinished documents, data, studies surveys, drawings, maps, models, photographs, and reports prepared by the Consultant shall become the property of the County and shall be immediately delivered by the Consultant to the County.
- (d) Vendor suspension or debarment proceedings brought by County pursuant to Chapter 46, Article II, Division 2, Section 46-102, Escambia County Code of Ordinances, shall be grounds for immediate termination of this Agreement.

## 9.3 RECORDS:

- (a) The Consultant shall keep such records and accounts and shall require any subcontractors to keep records and accounts as may be necessary in order to record complete and correct entries as to personnel hours charged to this engagement and any expenses for which the Consultant expects to be reimbursed. Such books and records will be available at all reasonable times for examination and audit by the County and shall be kept for a period of three (3) years after the completion of all work to be performed pursuant to this Agreement. Incomplete or incorrect entries in such books and records will be grounds for disallowance by the County of any fees or expenses based upon such entries.
- (a) The Consultant acknowledges that this Agreement and any related financial records, audits, reports, plans, correspondence, and other documents may be subject to disclosure to members of the public pursuant to Chapter 119, Florida Statutes, as amended. The Consultant shall maintain all such public records and, upon request, provide a copy of the requested records or allow the records to be inspected within a reasonable time. The Consultant shall also ensure that any public records that are exempt or exempt and confidential from disclosure are not disclosed except as authorized by law. Upon the expiration or termination of the Agreement, Consultant agrees to maintain all public records for a minimum period of five (5) fiscal years in accordance with the applicable records retention schedules established by the Florida Department of State. In the event the Consultant fails to abide by the provisions of Chapter 119, Florida Statutes, the County may, without prejudice to any right or remedy and after giving the Consultant and its surety, if any, seven (7) days written notice, during which period the Consultant still fails to allow access to such documents,

terminate the employment of the Consultant. In such case, the Consultant shall not be entitled to receive any further payment. Reasonable terminal expenses incurred by the County may be deducted from any payments left owing the Consultant (excluding monies owed the Consultant for subcontractor work).

**IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**Escambia County  
Office of the County Administrator  
221 Palafox Place, Suite 420  
Pensacola, Florida 32502  
(850) 595-4947**

9.4 NO CONTINGENT FEES: The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For the breach or violation of this provision, the County shall have the right to terminate the Agreement without liability and at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

9.5 SUBCONTRACTORS: The County approves the use of subcontractors by the Consultant. In the event the Consultant, during the course of the work under this Agreement, requires the services of any subcontractors or other professional associates in connection with services covered by this Agreement, it must secure the prior written approval of the County for employment of such subcontractors.

9.6 ASSIGNMENT: This Agreement, or any interest herein, shall not be assigned, transferred, or otherwise encumbered, under any circumstances, by the Consultant, without the prior written consent of the County. However, the Agreement shall run with the Escambia County Board of County Commissioners and its successors.

9.7 HOLD HARMLESS AND INDEMNIFICATION OF COUNTY: The Consultant agrees to hold harmless and indemnify the County and its agents, officers, and employees from all liabilities, damages, losses, and costs, including attorneys' fees and paralegals' fees, incurred by County to the extent caused by the negligence, recklessness or intentional wrongful misconduct of Consultant or by any person, firm, or corporation to whom any portion of the performance of this Agreement is subcontracted to or used by the Consultant, or by any other person for whom the Consultant is legally liable. Consultant's obligation as provided herein shall be limited to its proportionate share of liability to the extent caused by the negligence, recklessness or intentional wrongful misconduct of Consultant or by any person, firm or corporation to whom any portion of the Work is subcontracted by Consultant, and Consultant shall not be required to indemnify and

hold harmless County where County's negligence, recklessness, or intentional wrongful misconduct is determined by a court of competent jurisdiction to be the sole cause of its liabilities, damages, losses and costs, including attorney's and paralegal fees.

County and Consultant agree one percent (1%) of the Contract Amount paid by County to Consultant shall be given as separate consideration for this indemnification, and any other indemnification of County by Consultant provided for within the Contract Documents, the sufficiency of such separate consideration being acknowledged by Consultant by Consultant's acceptance and execution of the Agreement.

Consultant agrees that such indemnification by the Consultant relating to any matter which is the subject of this Agreement shall extend throughout the term of this Agreement and any statutes of limitations thereafter. The Consultant's obligation shall not be limited by, or in any way to, any insurance coverage or by any provision in or exclusion or omission from any policy of insurance.

9.8 INSURANCE: The Consultant is required to carry the following insurance:

(a) Commercial General Liability with \$1,000,000 minimum per occurrence, including coverage parts of bodily injury, property damage, broad form property damage, personal injury, independent contractors, blanket contractual liability, and completed operations;

(b) Automobile Liability with \$1,000,000 per occurrence minimum combined single limits for all hired, owned, and non-owned vehicles;

(c) Florida statutory workers' compensation and employers' liability with employer's liability limits of at least \$100,000 each accident and \$100,000 each employee/\$500,000 policy limit for disease; and

(d) Professional Liability coverage with \$1,000,000 minimum limit, except where the estimated construction contract price for the project described in the Agreement is greater than \$5 Million dollars, the minimum limit of professional liability coverage shall be equal to 25% of the estimated construction contract price for the project. Said coverage shall be continuously maintained and in effect for a period of not less than **five (5) years** from the effective date of this Agreement. The policy limit of liability shall not include legal fees and other defense costs. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the effective date of this Agreement and shall not be advanced. If at any time during the aforementioned policy period there should be a cancellation, non-renewal, or lapse in coverage, professional liability coverage shall be extended for the remainder of the five year period with a supplemental extended reporting period (SERP) endorsement to take effect upon expiration of the policy period referenced above. The limits of liability applicable to the SERP coverage shall be equal to the limits of liability applicable to the policy referenced above and to which the endorsement attaches.

It is understood and agreed by the parties that in the event that the Consultant consists of a joint venture, partnership, or other association of professional or business firms, each such firm shall be required to individually carry the above cited coverages.

All liability coverage shall be through carriers admitted to do business in the State of Florida. Carriers shall be a minimum financial size of VII, according to the latest edition of the A.M. Best Key Rating Guide. An A or better Best Rating is referred; however, other ratings if "Secure Best

Ratings” may be considered. Liability policies shall be underwritten on the occurrence basis, except the professional and environmental impairment coverage may be provided on a claims made basis. Escambia County and the Board of County Commissioners shall be “additional insured's” on all liability policies (except professional liability). Certificates of insurance shall be provided to Purchasing Manager, P.O. Box 1591, Pensacola, Florida 32597-1591 prior to commencement of work hereunder. Certificates shall reflect the additional insured status of Escambia County and shall provide for a minimum of thirty (30) days’ notice of cancellation. Escambia County and the Board of County Commissioners also shall be the certificate holders.

9.9 REPRESENTATIVE OF COUNTY AND CONSULTANT:

(a) It is recognized that questions in the day-to-day conduct of the Project will arise. The Contract Administrator, upon request by the Consultant, shall designate and shall advise the Consultant in writing, persons to whom all communications pertaining to the day-to-day conduct of the Project shall be addressed.

(b) The Consultant shall inform the Contract Administrator in writing of the representative of the Consultant to whom matters involving the conduct of the Project shall be addressed.

9.10 ALL PRIOR AGREEMENTS SUPERSEDED:

(a) This document incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained herein, and the parties agree that there are no commitments, agreements, or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or Agreements whether oral or written.

(b) It is further agreed that no modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.

9.11 TRUTH-IN-NEGOTIATION CERTIFICATE: The signing of this Agreement by the Consultant shall act as the execution of a truth-in-negotiation certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to exclude any significant sums by which the County determines the contract price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such contract adjustments shall be made within one (1) year following the end of this Agreement.

9.12 HEADINGS: Headings and subtitles used throughout this Agreement are for the purpose of convenience only, and no heading or subtitle shall modify or be used to interpret the text of any section.

9.13 GRATUITIES: Neither the Consultant nor any of its employees, agents, and representatives shall offer or give to an officer, official, or employee of the County gifts, entertainment, payments, loans, or other gratuities. The Consultant acknowledges knowledge of the State of Florida’s ethics statutes and to the extent applicable to the Consultant, the Consultant agrees to abide with such statutes.

9.14 CONFLICT OF INTEREST: The Consultant hereby certifies that it will completely disclose to the County all facts bearing upon any possible conflicts, direct or indirect, with its performance which it believes that any officer, employee, or agent of the Consultant now has or will have. Said disclosure shall be made by the Consultant contemporaneously with the execution of this Agreement and at any time thereafter that such facts become known to the Consultant. The Consultant at all times shall perform its obligations under this Agreement in a manner consistent with the best interests of the County. Failure to abide by this section shall result in the immediate termination of this Agreement pursuant to Chapter 46, Article II, Division 4 of the Escambia County Code of Ordinances.

9.15 SURVIVAL: All other provisions which, by their inherent character, sense, and context are intended to survive termination of this Agreement, shall survive the termination of this Agreement.

9.16 GOVERNING LAW: This Agreement shall be governed by and construed in accordance with the laws of the State of Florida, and the parties stipulate that venue for any matter which is a subject of this Agreement shall be in the County of Escambia.

9.17 INTERPRETATION: For the purpose of this Agreement, the singular includes the plural and the plural shall include the singular. References to statutes or regulations shall include all statutory or regulatory provisions consolidating, amending, or replacing the statute or regulation referred to. Words not otherwise defined that have well-known technical or industry meanings, are used in accordance with such recognized meanings. References to persons include their respective permitted successors and assigns and, in the case of governmental persons, persons succeeding to their respective functions and capacities.

(a) If the Consultant discovers any material discrepancy, deficiency, ambiguity, error, or omission in this Agreement, or is otherwise in doubt as to the meaning of any provision of the Agreement, the Consultant shall immediately notify the County and request clarification of the County's interpretation of this Agreement.

(b) This Agreement shall not be more strictly construed against either party hereto by reason of the fact that one party may have drafted or prepared any or all of the terms and provisions hereof.

9.18 SEVERABILITY: The invalidity or non-enforceability of any portion or provision of this Agreement shall not affect the validity or enforceability of any other portion or provision. Any invalid or unenforceable portion or provision shall be deemed severed from this Agreement and the balance hereof shall be construed and enforced as if this Agreement did not contain such invalid or unenforceable portion or provision.

9.19 COMPLIANCE WITH LAWS: The Consultant shall keep fully informed regarding and shall fully and timely comply with all current laws and future laws that may affect those engaged or employed in the performance of this Agreement. Without limiting the generality of the foregoing, the Consultant shall observe all rules and regulations of federal, state, and local officials relating to the subject matter of this Agreement.

9.20 EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY): In accordance with §448.095, Florida Statutes, Consultant shall register with and utilize the E-Verify System operated by the United States Department of Homeland Security to verify the employment eligibility of all new

employees hired during the term of the Agreement and shall expressly require any subcontractors performing work or providing services pursuant to this Agreement to likewise utilize the E-Verify System to verify the employment eligibility of all new employees hired by the subcontractor during the term of this Agreement. If Consultant enters into a contract with a subcontractor performing work or providing services on its behalf, Consultant shall also require the subcontractor to provide an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. Information on registration for and use of the E-Verify Program can be obtained via the internet at the Department of Homeland Security Web site: <http://www.dhs.gov/E-Verify>.

9.21 PARTICIPATION IN OTHER PROCEEDINGS: At the County's request, the Consultant shall allow itself to be joined as a party in any legal proceeding that involves the County regarding the design, construction, or installation of any matter which is the subject of this Agreement. This provision is for the benefit of the County and not for the benefit of any other party.

9.22 FURTHER DOCUMENTS: The parties shall execute and deliver all documents and perform further actions that may be reasonably necessary to effectuate the provisions of this Agreement.

9.22 NO WAIVER: The failure of the Consultant or the County to insist upon the strict performance of the terms and conditions hereof shall not constitute or be construed as a waiver or relinquishment of any other provision or of either party's right to thereafter enforce the same in accordance with this Agreement.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the respective dates under each signature:

COUNTY:  
ESCAMBIA COUNTY, FLORIDA, a political subdivision of the State of Florida acting by and through its duly authorized Board of County Commissioners.

\_\_\_\_\_  
Witness

By: \_\_\_\_\_  
Wesley J. Moreno, County Administrator

\_\_\_\_\_  
Witness

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

BCC Approved: \_\_\_\_\_

ATTEST:

CONSULTANT:

By: [Signature]  
Corporate Secretary C.F.O.

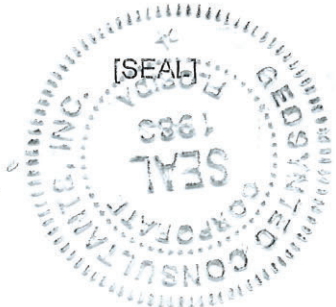
Geosyntec Consultants, Inc., a Corporation authorized to do business in the State of Florida.

[Signature]  
Witness

By: [Signature]  
Daniel A. Schauer, P.G., Senior  
Principal/Vice President

[Signature]  
Witness

Date: 1/6/2023





# EXHIBIT A



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Pensacola, Florida 32501  
PH 850.477.6547  
www.geosyntec.com

21 December 2022

Mr. Donald Seitz, Director  
Escambia County Waste Services Department  
13009 Beulah Road  
Cantonment, Florida 32533-8831

**Subject: Proposal for Escambia County Landfill Siting Design  
Solicitation Identification Number PD 21-22.124  
Waste Services Department, Escambia County, Florida**

Dear Mr. Seitz:

Geosyntec Consultants (Geosyntec) appreciates the opportunity to present the Escambia County Waste Services Department (ECWSD) with this proposal for landfill siting design services. As discussed during our initial negotiation meeting held on 18 October 2022, Geosyntec understands that the ECWSD intends to evaluate and compare three siting alternatives to meet their future waste disposal demands and solid waste management needs. This proposal presents a brief discussion of the project background and understanding as well as a scope of services and budget estimate for performing the work.

## **PROJECT BACKGROUND AND UNDERSTANDING**

Escambia County issued Solicitation Number PD 21-22.124 on 29 August 2022 seeking qualifications from engineering firms for assistance with the planning, design and permitting for a new County landfill. As summarized in the solicitation, Escambia County's permitted disposal site the Perdido Landfill has been operated by ECWSD since 1981 and is projected to reach disposal capacity by 2033. In addition, the solicitation identified a targeted future expansion site consisting of three County-owned parcels totaling 330 acres located immediately east of the existing Perdido Landfill (Expansion Site).

During the 18 October 2022 negotiation meeting, ECWSD requested that Geosyntec expand on the landfill siting evaluation to include two alternative landfill development options in addition to the designated expansion site. ECWSD also requested Geosyntec to provide independent scopes of work for developing the three landfill siting options with the intent of selecting one of the options following completion of the initial siting alternatives evaluation.

## **SCOPE OF SERVICES**

Geosyntec is proposing three primary phases of work for this project that are collective in nature as discussed below. The first phase of work (Phase 1) will involve evaluating and comparing the three siting alternatives. Phase 1 will conclude with the presentation of a cost-vs-benefit analysis matrix to aid in the selection of a development option by the ECWSD. The second phase of work (Phase 2) will include landfill development tasks specific to each siting alternative identified under Phase 1. Although the scope of work for these three discrete tasks are included in this proposal, it is assumed that the ECWSD will choose one development option upon the completion of Phase 1 prior to proceeding with Phase 2.

During the 18 October 2022 negotiation meeting, the ECWSD also requested that Geosyntec perform a comprehensive wetland survey/ inventory for the ECWSD parcels including and surrounding the Perdido Landfill. Geosyntec proposes to utilize a subconsultant, Wetland Sciences, Inc. (WSI) to complete the wetland, wildlife and ecological resources work under this scope of services including the Perdido Landfill wetland inventory scope of work described under Phase 3. For the purposes of this proposal and clarity of our proposed work breakdown structure, our scope of services is detailed according to the three phases summarized below:

- **Phase 1:** Siting Alternatives Evaluation;
- **Phase 2:** Landfill Development; and
- **Phase 3:** Comprehensive Identification/Inventory of Wetland and Environmental Resources for the Perdido Landfill and Surrounding County-Owned Parcels.

Each of these three phases are described in more detail below.

### **Phase 1: Siting Alternatives Evaluation**

Geosyntec will evaluate three siting alternatives based on criteria pertaining to environmental conditions; preliminary engineering considerations; costs related to design, permitting and construction; costs related to site acquisition (if applicable); and estimated disposal capacities and site service lives. Phase 1 will result in a comparison of the siting alternatives in the form of a cost-vs-benefit analysis. The cost-vs-benefit analysis will summarize the respective costs (environmental, wetland mitigation, land acquisition, design, permitting and construction) compared to the respective benefits (waste disposal capacity, estimated service life, timeframe for landfill development) for the siting alternatives. The individual tasks for Phase 1 are outlined in more detail below.

## **Task 1: Evaluate the Beulah Road Re-alignment Scenario - Option A**

Geosyntec understands that the Beulah Road Re-alignment Scenario (Option A) will include shifting the existing Beulah Road to the east and adjacent to the wetlands located on the Expansion Site. The Option A site would encompass the eastern most 90 acres of the existing Perdido Landfill property that contains the existing Conservation Easement and East Borrow Pit footprints. The Option A site would also consist of upland (non-wetland) portions of the Expansion Site for a combined acreage of approximately 300 acres.

Geosyntec will conduct a preliminary engineering and environmental evaluation of Option A as described below:

### *Subtask 1.1: Evaluate Feasibility of Conservation Easement (CE) Recension*

Under this task Geosyntec and WSI will coordinate and attend two meetings with Regulatory Agencies (i.e., Florida Department of Environmental Protection (FDEP) and United States Army Corps of Engineers (USACE)), evaluate the feasibility of impacting/transferring the CE, and verify existing wetland resources west of Beulah Road (versus Expansion Site).

### *Subtask 1.2 Evaluate Existing Environmental Sensitive Resources on Proposed Expansion Site*

Geosyntec understands that a Site-Specific Environmental Assessment is being completed for the Expansion Site by Groundwater & Environmental Services Inc. (GES). WSI will review GES's final report and will perform confirmatory and additional activities to identify existing environmental sensitive resources including the following:

- Wetland delineation - Review GES Line;
- Ecological communities;
- Surface water and/or riverine resources present;
- Listed species; and
- Historical (cultural) resources.

### *Subtask 1.3: Preliminary Engineering Design*

Geosyntec will perform an initial layout of the Beulah Road re-alignment with input from the ECWSD. The new road alignment will accommodate appropriate buffering from the Expansion Site wetland resources identified in Subtask 1.2. Geosyntec will prepare a preliminary drawing set, consisting of up to four sheets (10% design level) to depict the Beulah Road re-alignment, proposed landfill cell areas, conceptual waste fill grading plan, stormwater management ponds, leachate management areas and additional landfill infrastructure including gas piping, leachate forcemain

pipings, and internal roadway network. Geosyntec will use the preliminary site layout to quantify potential impacts to environmentally sensitive resources including the CE.

*Subtask 1.4: Estimate Conceptual Wetland Permitting and Mitigation Costs*

WSI will prepare conceptual cost estimates for wetland permitting and mitigation of Option A using Geosyntec's preliminary design.

*Subtask 1.5: Estimate Design, Permitting and Construction Costs*

Geosyntec will prepare conceptual cost estimates for the design, permitting and construction for the development of Option A using the preliminary design.

*Subtask 1.6: Estimate Potential Disposal Capacity and Service Life*

The landfill cell layouts presented in the preliminary design will be utilized to construct conceptual 3-dimensional (3D) buildout models in AutoCAD Civil 3D (Civil 3D). Geosyntec will use Civil 3D to compare topographic survey data with the buildout models to estimate the disposal capacity of the landfill cells. ECWSD's most current landfill site life estimates will be utilized for evaluation metrics including projected tonnage rates and apparent density. Geosyntec will prepare a summary memorandum that presents the estimated disposal capacity and service life for Option A.

*Subtask 1.7: Estimate Timeline for Developing the Landfill*

Geosyntec will develop a conceptual schedule of durations for critical activities including environmental permitting, hydrogeological and geotechnical site investigations, landfill design and permitting, architectural and structural design elements, civil design (e.g., roadways, general grading, etc.), stormwater design and permitting, bid phase activities and construction completion. The total project schedule for the development of Option A will be factored into the Task 4 comparison analysis. The schedule format will be prepared using Microsoft® Project or similar scheduling software.

**Phase 1 / Task 1 Assumptions:**

- ***The Final Beulah Road re-design will be performed by a third-party Engineer contracted by the Escambia County Engineering Department.***
- ***Geosyntec's evaluation under Subtask 1.2 will include a review of the Florida Division of Historical Resources Master Site File. Subtask 1.2 does not constitute a full Phase I Cultural Resource Survey.***
- ***Wetland impacts will be avoided/ minimized for Option A.***
- ***ECWSD will contract separately an aerial topographic survey for Subtask 1.6.***

- ***Additional time and expense required to address comments and prepare revisions to the work products described in Subtasks 1.3 through 1.7 are not included in the firm fixed price and will be performed on a time and materials basis.***

## **Task 2: Evaluate Proposed 330-acre Expansion Area Scenario- Option B (high wetland impact)**

Geosyntec previously presented the high wetland impact scenario for the proposed 330-acre expansion scenario (Option B) to the ECWSD during the short-list presentations held on 14 October 2022. Option B consists of significant impacts to wetland resources located within the Expansion Area and assumes no-realignment to Beulah Road. Under Task 2 Geosyntec will conduct a preliminary engineering and environmental evaluation of the Option B as described below.

### *Subtask 2.1: Perform Preliminary Engineering Design*

Geosyntec will perform an initial layout of Option B with input from the ECWSD. The proposed layout will accommodate appropriate buffering from the proposed expansion area wetland resources identified in Subtask 1.2. Geosyntec will prepare a preliminary layout drawing set, consisting of up to four sheets (10% design level) to depict proposed landfill cell areas, conceptual waste fill grading plan, stormwater management ponds, leachate management areas and additional landfill infrastructure including gas piping, leachate forcemain piping, and internal roadway network. Geosyntec will use the preliminary site layout to quantify impacts to environmentally sensitive resources and to perform a preliminary functional assessment. In addition, Geosyntec will coordinate and attend an FDEP ERP Pre-Application Meeting.

### *Subtask 2.2: Alternatives Analysis (FDEP-State 404 Program)*

In the evaluation of Section 404 permit applications to discharge dredged or fill material into waters of the U.S. (WOTUS), including wetlands, DEP is required to analyze alternatives that could achieve the purpose and need. Discharge of dredged or fill material shall not be permitted if there is a practicable alternative to the proposed discharge which would have less adverse impact on the aquatic ecosystem, so long as the alternative does not have other significant adverse environmental consequences. Geosyntec and WSI will evaluate the alternatives located on property not owned by the applicant. In addition, WSI will prepare the required alternative analysis to rebut the presumption that no alternative development sites are available to the applicant that would result in less environmental impacts.

Subtask 2.3: Estimate Conceptual wetland permitting and mitigation costs

Geosyntec will prepare conceptual cost estimates for wetland permitting and mitigation of Option B using the preliminary design.

Subtask 2.4: Estimate Design, Permitting and Construction Cost Estimation

Geosyntec will prepare conceptual cost estimates for the design, permitting and construction for the development of Option B using the preliminary design.

Subtask 2.5: Estimate Potential Disposal Capacity and Service Life

The landfill cell layouts presented in the preliminary design will be utilized to construct conceptual 3D buildout models in Civil 3D. Geosyntec will use Civil 3D to compare topographic survey data with the buildout models to estimate the disposal capacity of the landfill cells. ECWSD's most current landfill site life estimates will be utilized for evaluation metrics including projected tonnage rates and apparent density. Geosyntec will prepare a summary memorandum that presents the estimated disposal capacity and service life for Option B.

Subtask 2.6: Estimate Timeline to Develop Landfill

Geosyntec will develop a conceptual schedule of durations for critical activities including environmental permitting, hydrogeological and geotechnical site investigations, landfill design and permitting, architectural and structural design elements, civil design (e.g., roadways, general grading, etc.), stormwater design and permitting, bid phase activities and construction completion. The total project schedule for the development of Option B will be factored into the Task 4 comparison analysis. The schedule format will be prepared using Microsoft® Project or similar scheduling software.

Phase 1 / Task 2 Assumptions:

- ***The Environmental Site-Specific Evaluation being performed by GES will be provided to Geosyntec prior to the start of Task 1.***
- ***WSI will evaluate existing environmental sensitive resources on the proposed Expansion Site under Subtask 1.2.***
- ***The high wetland impact scenario would impact approximately 50 acres of wetlands.***
- ***ECWSD will contract separately for an aerial topographic survey for Subtask 2.5.***
- ***Additional time and expense required to address comments and prepare revisions to the work products described in Subtasks 2.1 through 2.6 are not included in the firm fixed price and will be performed on a time and materials basis.***

### **Task 3: Offsite Greenfield Development Scenario - Option C**

At the request of ECWSD, Geosyntec will evaluate a theoretical greenfield site (Option C) as a third alternative for future disposal capacity. The evaluation of Option C will consist of a conceptual engineering design, estimate of costs including landfill acquisition, design, permitting and construction and the projected service life.

#### *Subtask 3.1: Preliminary Engineering Design*

Geosyntec will assume that a 300-acre suitable development site exists in Escambia County meeting FDEP Class I landfill siting criteria. The landfill footprint should be able to accommodate a minimum of 25-years of disposal capacity. Based on our experience with the ECWSD Perdido Landfill (300+ acre site, 120 acres of disposal footprint), this is likely to be close to 100 acres of disposal footprint.

Geosyntec will also assume a relatively flat topography and rectangular geometry for the parcel footprint for purposes of estimating disposal volume. Geosyntec will prepare a conceptual drawing set, consisting of up to four sheets (10% design level) to depict proposed landfill cell areas, conceptual waste fill grading plan, stormwater management ponds, leachate management areas and additional landfill infrastructure including gas piping, leachate forcemain piping, groundwater monitoring well network, and internal roadway network.

#### *Subtask 3.2: Estimate Landfill Property Acquisition Costs*

Geosyntec will provide a range of landfill property acquisition costs for a single site based on a cost-per-acre basis.

#### *Subtask 3.3: Estimate design, permitting, and construction costs*

Geosyntec will prepare conceptual cost estimates for the design, permitting and construction for the development of Option C using the conceptual design.

#### *Subtask 3.4: Estimate potential disposal capacity and service life*

The landfill cell layouts presented in the conceptual design will be utilized to construct conceptual 3D buildout models in Civil 3D. Geosyntec will use Civil 3D to calculate the maximum disposal capacity of the landfill cells. ECWSD's most current landfill site life estimates will be utilized for evaluation metrics including projected tonnage rates and apparent density. Geosyntec will prepare a summary memorandum that presents the estimated disposal capacity and service life for Option C.

Subtask 3.5: Estimate timeline to acquire land and develop landfill

Geosyntec will develop a conceptual schedule of durations for critical activities including real estate search and acquisition, rezoning, environmental permitting, hydrogeological and geotechnical site investigations, landfill design and permitting, architectural and structural design elements, civil design (e.g., roadways, general grading, etc.), stormwater design and permitting, bid phase activities and construction completion. The total project schedule for the development of Option C will be factored into the Task 4 comparison analysis. The schedule format will be prepared using Microsoft® Project or similar scheduling software.

**Phase 1 / Task 3 Assumptions:**

- *The proposed greenfield site may contain limited wetland resources, but the proposed development is assumed to be able to avoid impacts and corresponding mitigation.*
- *Additional time and expense required to address comments and prepare revisions to the work products described in Subtasks 3.1 through 3.5 are not included in the firm fixed price and will be performed on a time and materials basis.*
- *ECWSD will contract separately for an aerial topographic survey for Subtask 3.4.*

**Task 4: Comparison of the Siting Alternatives (Summarize Options A, B and C)**

Subtask 4.1: Perform a cost-vs-benefit analysis

Under this subtask, Geosyntec will create a matrix comparing the development costs (environmental permitting, wetland mitigation, solid waste design and permitting, site development and construction, etc.) versus projected waste disposal capacity and service life. The matrix will include an estimated ratio of overall cost to available waste disposal volume resulting in a development cost per cubic yard of airspace. The analysis will consist of the following considerations:

- Environmental permitting costs;
- Wetland mitigation costs;
- Property acquisition costs;
- Public relations costs;
- Site buildout construction costs (Including new vs existing infrastructure);
- Estimated time to develop landfill;
- Estimated waste disposal capacity; and
- Estimated service life.



Subtask 4.2: Conduct meeting with ECWSD to discuss results and recommendations

Geosyntec will coordinate and conduct an in-person meeting with ECWSD to review the results of the comparison analysis and discuss recommendations.

## **Phase 2: Landfill Development**

Phase 2 will consist of development steps pertaining to the three alternative siting options. Although Phase 2 includes three discrete tasks (Options A, B and C), it is anticipated that the ECWSD will choose one development option following the completion of Phase 1 to pursue under Phase 2 (i.e., Task 5A, Task 5B or Task 5C). Subtasks unique to each development scenario are listed under Tasks 5A through 5C. Geosyntec has assumed that site development tasks including hydrogeological and geotechnical site investigations, landfill design, FDEP Solid Waste Permitting, stormwater master planning, ERP Permitting, and construction procurement are generally the same for equivalently sized parcels (~300 acres). The landfill development tasks are described in Task 6.

### **Task 5A: Preliminary Development of the Beulah Road Re-alignment Scenario- (If Option A Selected)**

Subtask 5A.1: Conservation Easement Recension

Geosyntec and WSI will facilitate activities towards the recension of the existing CE through the FDEP and ACOE.

Subtask 5A.2: State 404 and ERP Permitting/Mitigation

Geosyntec and WSI will prepare the submittal of State 404 and ERP Permit Applications. This will include the following activities:

- Completion of applicable sections and exhibits in support of the application;
- Alternative analysis document;
- Public notice narrative;
- Mitigation statement for the project;
- Civil site plan drawings with wetland impacts quantified;
- Functional assessment to determine the functional loss and assess the amount of mitigation the project may need;
- Review agency and public comments;
- Participate in all post-submittal meetings, conferences, and reviews of the permit application with the DEP/District; and

- Prepare comprehensive mitigation plan that complies with the state and federal compensatory mitigation rule.

Subtask 5A.3: Public Outreach/ Community Engagement

Geosyntec proposes to utilize a subconsultant, Impact Campaigns (Impact) to perform public outreach and community engagement activities associated with Option A including the following:

- Develop community engagement / public outreach plan;
- Send six (6) email update newsletters to project database;
- Publicize and staff three (3) community outreach events;
- Create six (6) project updates;
- Write and design social media content for County to publish and promote;
- Develop two (2) feature content stories for website and media publicity;
- Conduct and promote one (1) online community surveys; and
- Develop content for County project page.

Phase 2 / Task 5A Assumptions:

- *The Beulah Road re-design will be performed by a third-party Engineer contracted by the Escambia County Engineering Department.*
- *Because the scope of work required to respond to agency and public comments is not known at this time, Geosyntec has only included effort to review comments. At that time, Geosyntec will discuss the estimated level of effort required to respond to comments and correspondingly develop a mutually acceptable contract amendment.*

**Task 5B: Preliminary Development of 330-Acre Expansion Area Scenario (High Wetland Impact)- (If Option B Selected)**

Subtask 5B.1: State 404 and ERP Permitting/Mitigation

Geosyntec and WSI will prepare the submittal of State 404 and ERP Permit Applications. This will include the following activities:

- Completion of applicable sections and exhibits in support of the application;
- Alternative analysis document;
- Public notice narrative;
- Mitigation statement for the project;
- Civil site plan drawings with wetland impacts quantified;
- Functional assessment to determine the functional loss and assess the amount of mitigation the project may need;

- Review agency and public comments;
- Participate in all post-submittal meetings, conferences, and reviews of the permit application with the DEP/District; and
- Prepare comprehensive mitigation plan that complies with the state and federal compensatory mitigation rule.

Subtask 5B.2: Supplemental Ecological Investigation

Geosyntec and WSI will perform supplemental ecological investigation activities not previously completed by GES. For this task we have assumed subconsultant (WSI) costs of up to \$2,000 to perform additional ecological investigations required prior to development of the Expansion Area.

Subtask 5B.3: Public Outreach/ Community Engagement

Geosyntec and Impact will perform public outreach and community engagement activities associated with Option B including the following:

- Develop community engagement / public outreach plan;
- Send twelve (12) email update newsletters to project database;
- Publicize and staff three (3) community outreach events;
- Create six (6) project updates;
- Write and design social media content for County to publish and promote;
- Develop three (3) feature content stories for website and media publicity;
- Conduct and promote two (2) online community surveys; and
- Develop content for County project page.

Phase 2 / Task 5B Assumptions:

- ***Because the scope of work required to respond to agency and public comments is not known at this time, Geosyntec has only included effort to review comments. At that time, Geosyntec will discuss the estimated level of effort required to respond to comments and correspondingly develop a mutually acceptable contract amendment.***

**Task 5C: Preliminary Development of the Offsite Greenfield Scenario- (If Option C Selected)**

Geosyntec will perform market research to identify available public and/or privately-owned land meeting the siting criteria (provide up to three siting possibilities). This data will be summarized in the form of a scoring matrix to facilitate ECWSD's selection of a preferred site.

Subtask 5C.1: Application of Criteria with Scoring Matrix

Geosyntec will develop a matrix of selection evaluation criteria (location, landfill capacity, zoning, surrounding land use/compatibility, available utilities, airport safety, proximity to haul routes, transportation, etc.). The evaluation will include Chapter 62-701, Florida Administrative Code (FAC), landfill prohibition criteria.

Subtask 5C.2: Final selection of highest scored site

Geosyntec will present the results of the ranking criteria to ECWSD for selection of a prospective Option C site.

Subtask 5C.3: Site-Specific Environmental Assessment

Geosyntec and WSI will complete site-specific environmental assessment tasks (non-wetland related) within the proposed Site to satisfy Escambia County's Development Review Committee (DRC) permitting process as well as the Land Development Code (LDC) and associated Design Standards Manual (DSM) requirements. The assessment tasks include identification of threatened and endangered (T&E) species or habitats, historical and archaeological resources (H&ARs), as well as a tree survey detailing protected or Heritage type trees.

Subtask 5C.4: State 404 and ERP Permitting/Mitigation

Geosyntec and WSI will prepare the submittal of State 404 and ERP Permit Applications. This will include the following activities:

- Completion of applicable sections and exhibits in support of the application;
- Alternative analysis document;
- Public notice narrative;
- Mitigation statement for the project;
- Civil site plan drawings with wetland impacts quantified;
- Functional assessment to determine the functional loss and assess the amount of mitigation the project may need;
- Review agency and public comments;
- Participate in all post-submittal meetings, conferences, and reviews of the permit application with the DEP/District; and
- Prepare comprehensive mitigation plan that complies with the state and federal compensatory mitigation rule.

Subtask 5C.5: Parcel(s) Rezoning

Under this task, Geosyntec will conduct the following:

- Coordinate and attend pre-application meeting with County Planner to discuss the Option C site and corresponding landfill development plans.
- Prepare a Rezoning application submittal package to include an application narrative, legal proof of ownership, compatibility analysis, and a signed and notarized affidavit of owner.
- Attend Escambia County Planning Board Meeting.
- Attend Escambia County Board of County Commissioners Meeting.

Subtask 5C.6: Public Outreach/ Community Engagement

Geosyntec and Impact will perform public outreach and community engagement activities associated with Option C including the following:

- Develop community engagement / public outreach plan;
- Send six (12) email update newsletters to project database;
- Publicize and staff three (3) community outreach events;
- Create six (6) project updates;
- Set up and manage independent project social media page for twelve months;
- Develop two (3) feature content stories for website and media publicity;
- Conduct and promote two (2) online community surveys; and
- Develop content for County project page.

Phase 2 / Task 5C Assumptions:

- **Maximum of three rounds of public outreach meetings will be held.**
- **Selected property will provide a minimum of 25 years of landfill capacity.**
- **County will be responsible for coordinating and executing the real estate transaction.**
- **Geosyntec assumes that ECWSD will provide the legal proof of ownership and a certified boundary survey for parcel rezoning.**
- **ECWSD will pay the estimated rezoning application fee \$1,275.50 directly to the Planning Board.**
- **Because the scope of work required to respond to agency and public comments is not known at this time, Geosyntec has only included effort to review comments. At that time, Geosyntec will discuss the estimated level of effort required to respond to comments and correspondingly develop a mutually acceptable contract amendment.**

## **Task 6: Site Development**

The three development scenarios (Options A, B and C) are assumed to be generally equivalent in terms of total overall acreage. Therefore, the landfill site development activities relating to hydrogeological and geotechnical investigations, landfill design and solid waste permitting and Environmental Resource Permitting can generally be considered equivalent in scope for the three development options. One potentially significant difference is the site infrastructure & buildings design, permitting, and construction cost associated with Option C (Greenfield Development). These additional tasks are addressed in Subtask 6.2.1.

### *Subtask 6.1: Ecological, Hydrogeological, and Geotechnical Site Investigation*

Under this phase, Geosyntec will complete a detailed site investigation in accordance with Rule 62-701.410 of the F.A.C. (Rule) to establish the hydrogeological and geotechnical characteristics of the proposed Site. In addition, Geosyntec proposes to utilize WSI to complete remaining ecological investigations (tasks not completed as part of the preliminary engineering and environmental impact analysis) including a wildlife survey and tree inventory. Geosyntec also has a local surveyor, Pittman, Glaze & Associates, on the proposed project team that can provide a tree survey of the expansion area.

#### *Subtask 6.1.1: Development of Site Investigation Work Plan*

The site investigation work plan will initially include a review of existing hydrogeological and geotechnical information to refine the scope of the proposed investigation program. The intent is to capitalize on the existing geotechnical, hydrogeological and water quality data to efficiently assess the potential expansion footprint. The work plan will provide a summary of proposed field work, which will likely include: (1) drilling and sampling methods, (2) soil boring locations, (3) piezometer and monitoring well locations, (4) analytical and geotechnical sampling and laboratory testing, (5) hydrogeological testing, and (6) surface/groundwater sampling. A draft copy of the work plan will be provided to ECWSD for review and comment. A copy of the work plan will be submitted to FDEP for informational purposes only. However, should FDEP elect to provide comments on the work plan, Geosyntec will discuss that with ECWSD and implement those that are deemed necessary.

#### *Subtask 6.1.2: Hydrogeological and Geotechnical Site Investigation*

Geosyntec will proceed immediately with the field investigation following development of the work plan. Based on the requirements of the Rule and preliminary information for the proposed expansion area, the field investigation program will establish geotechnical, geological, and hydrogeological characteristics of the expansion area. The site investigation will provide site specific data necessary to support design calculations and modifications to the site groundwater monitoring plan.

Geosyntec also recommends installation of temporary surficial aquifer monitoring wells to obtain temporal groundwater level data and for use in collecting baseline groundwater quality data from the expansion area. This data is required by the Rule and must be submitted prior to permit approval. Issues investigated and addressed under this task will include the following:

- Collection of up to three rounds of water levels from the temporary monitoring well network to assess the direction and magnitude of groundwater flow in the proposed expansion area.
- Groundwater sampling to establish background quality (as required by Rule 62-701.510(6)(b) of the F.A.C.) of the upper surficial aquifer groundwater in the temporary monitoring well network.
- Advancement of soil borings at a frequency of approximately one per four (4) acres each with a Standard Penetration Test (SPT), in general accordance with ASTM Method D 1586, to a maximum depth of at 60 ft below ground surface (bgs). Soil boring frequency and depth have been assumed based on Geosyntec's understanding of previous investigations at the Perdido Landfill and Santa Rosa County Central Landfill. This assumed frequency results in up to 75 total borings (300 acres/ 4 borings/acre). The soil borings and samples collected during the drilling activities will facilitate identifying surficial and subsurface soil types and their geotechnical characteristics, including an evaluation of the presence of muck and unstable areas.
- Slug testing of the temporary monitoring well network to evaluate hydraulic properties of the upper surficial aquifer.
- Preparing an inventory of public and private wells within a one-mile radius of the site in accordance with Rule 62-701.401(1)(b) of the F.A.C.
- Evaluation of the presence of lineaments, sinkholes, and faults.

A qualified Geosyntec staff member will be present for on-site field activities to locate the planned drilling locations and to coordinate and observe the work. Activities will include logging drilling operations, collecting groundwater and soil samples, performing hydrogeologic tests (e.g., slug tests) and oversight of borehole grouting. Geosyntec assumes that two borings per day will be completed over 10-hour days equating to 38 days. Geosyntec assumes up to 40 soil samples will be sent to an offsite geotechnical laboratory for testing of index parameters and classification. Up to six (6) samples will be identified for consolidation testing. Finally, Geosyntec assumes that one monitoring well/piezometer (10 assumed total) will be installed per day over 10-hour days equating to 10 days.

The following items, required for incorporation into the Site Investigation Report, will be obtained from site-specific hydraulic testing reports:

- Hydraulic properties of aquifers other than upper surficial aquifer;
- Hydraulic properties of confining and semi-confining aquifer layers;
- Hydraulic connection between on-site aquifers; and

- Surface water drainage network on site and surrounding area.

Subtask 6.1.3: Data Evaluation and Interpretation

The laboratory and field data collected from the proposed hydrogeological and geotechnical site investigation will be compiled, combined with existing site data, and evaluated. The site data will then be used for the design and permitting activities of the proposed landfill. Soil boring data will be processed to develop subsurface stratigraphy and strength profiles versus depth for geotechnical analyses. Hydrogeological testing data results will be analyzed to assess seasonal high water table and subsurface hydraulic conductivity values in relation to groundwater flow.

Subtask 6.1.4: Preparation of the Site Investigation Report

A hydrogeological and geotechnical site investigation (HGI) report will be prepared to summarize the results of the field investigation program. The report will be prepared as a component of the permit application, as required by Rule 62-701.330(3) of the F.A.C. A subsurface hydrogeological and geotechnical model will be developed for use in evaluating landfill geotechnical stability, and preparation of the FDEP solid waste permit and ERP applications.

The HGI report will address the following hydrogeological requirements set forth in Rule 62-701.410(1) of the F.A.C.:

- Description of the landfill site geology and hydrogeology and its relationship to the local and regional hydrogeologic patterns;
- Inventory of public and private water wells within one-mile radius of the proposed landfill site; and
- Map showing the location of potable wells within 500 feet of the landfill, and locations of wells serving community water supplies within 1,000 feet of the proposed landfill development.

The HGI report will also address the following geotechnical requirements set forth in Rules 62-701.410(2) and (3) of the F.A.C.:

- Interpretation of the subsurface conditions including soil stratigraphy and groundwater table conditions;
- Potential presence of muck, previously filled areas, soft ground, lineaments, and sinkholes;
- Potential fault areas, seismic impact zones, and unstable areas;
- Estimates of average and maximum high groundwater table across the site; and
- Foundation analysis to evaluate the ability of the foundation to support the loads and stresses imposed by the proposed landfill development.



Subtask 6.2: Landfill Design and FDEP Solid Waste Permit Application

Under this phase, Geosyntec will design the expansion area, including associated infrastructure (e.g., roadway, scalehouse, stormwater and leachate management systems) and prepare the FDEP solid waste permit application. Geosyntec will coordinate and attend one pre-application meeting with the FDEP and ECWSD staff early in the application process to obtain regulatory “buy-in” from FDEP. This meeting would likely be held in Tallahassee; however, Geosyntec will coordinate with FDEP to have this meeting at Northwest District office or via teleconference if possible in order to provide cost savings to the County. Geosyntec believes that having Richard Tedder, P.E., the former director of the FDEP Solid Waste Division, on the proposed project team will significantly facilitate the solid waste permitting phase of this project. The landfill design will include the necessary engineering analyses to demonstrate that the proposed landfill complies with the specific requirements of Rule 62-701.400 of the F.A.C. The permit application prepared by Geosyntec will include the engineering reports and plans in accordance with Rules 62-701.320, 330 and 340 of the F.A.C.

The following activities will be performed to design the expansion area and prepare the FDEP solid waste permit application:

- Based on results of geotechnical investigation and wetlands and wildlife survey, Geosyntec will develop a conceptual design for the configuration of the cells for the lateral expansion. The conceptual design plan will include proposed cell grading plans and leachate collection system design and will serve as the basis for detailed landfill design. It is assumed that the County-wide GIS topographic survey is sufficient for developing conceptual-level landfill expansion plans. Based on the preliminary design, Geosyntec will evaluate required monitoring systems for the groundwater quality, leachate, landfill gas, and surface water management systems for the proposed lateral expansion area. A preliminary design report and preliminary design drawings will be provided to ECWSD for review and comment prior to initiating detailed design efforts.
- Prepare permit drawings for development of the Class I disposal area expansion (e.g., cell configuration and layout design, landfill sequencing and phasing plans, etc.) to final build-out conditions. It is assumed that 30 percent level drawings (up to 12 sheets) will be prepared in support of the pre-application meeting with FDEP to facilitate discussions regarding proposed liner footprint and overall landfill design. Note that an updated topographic survey will likely be needed for the permit drawings submitted to FDEP with the lateral expansion permit application (FDEP typically requires a “recent” topographic survey, which is often interpreted to be less than one year old). For the purposes of budgeting, Geosyntec has assumed ECWSD will perform the topographic survey. Pittman, Glaze and Associates can perform this service should ECWSD be unable to accommodate the work.

- Evaluate available disposal volume and approximate timeline for landfill development to establish landfill design-life. Develop optimal cell layouts, construction sequencing, and waste-fill sequencing plan (i.e., landfill master planning).
- Design the double liner system and leachate collection and detection systems by performing leachate impingement rate, head on liner, and conveyance analyses for various waste fill scenarios.
- Consider utilizing the proposed Northeast Borrow Pit for part of the stormwater management system.
- Evaluate utilizing the existing leachate management system, including leachate transmission and storage volumes capacities compared to the design of a new comprehensive independent leachate management system.
- Perform the required geotechnical analyses (i.e., foundation and liner-waste block slope stability, bearing capacity and liner subgrade settlement evaluations) for the proposed disposal area.
- Perform the required hydrologic and hydraulic analysis for the design rainfall events and design the landfill facility's stormwater management system, including landfill side slope swales, landfill downchutes, landfill perimeter surface water ditches, and stormwater retention ponds. Note that the detailed design of the surface water management system for the proposed landfill facility will be included in the ERP application as outlined in this proposal.
- Design a conceptual gas collection and control system (GCCS) for the proposed expansion area in accordance with Rule 62-701.530(1) of the F.A.C.
- Prepare a final cover performance evaluation that addresses the design of the lateral drainage layer (e.g., geocomposite), soil erosion, and veneer stability of the final cover system. The final cover will be designed in accordance with Rule 62-701.600(5)(g) of the F.A.C.
- Perform a landfill waste settlement analysis to ensure that excessive landfill settlement will not negatively impact the integrity and performance of the final cover system (Rule 62-701.410(2)).
- Develop the financial assurance cost estimate for closure and long-term care of the Class I disposal area in accordance with Rule 62-701.630 of the F.A.C., and complete FDEP Form 62-701.900(28) – *Financial Assurance Cost Estimating Form*.
- Complete the required FDEP Form 62-701.900(1) – *Application to Construct, Operate, Modify, or Close a Solid Waste Management Facility*, and prepare the supporting engineering report.
- Submit solid waste permit application documents to FDEP for review.

The following plans will be prepared and/or updated by Geosyntec to submit with the FDEP solid waste permit application and engineering report for the landfill development.

- Draft Technical Specifications and Construction Quality Assurance (CQA) Plan for construction of the landfill development;
- Develop a water quality monitoring plan to address the groundwater monitoring network, and sampling and analysis for the landfill facility in accordance with Rule 62-701.510 of the F.A.C.;
- Complete a landfill gas management plan to comply with the gas monitoring requirements of Rule 62-701.530(2) of the F.A.C.;
- Develop a facility closure plan to incorporate the landfill expansion area in accordance with the requirements of Rule 62-701.600 of the F.A.C.; and
- Develop an Operations Plan to include expansion area facilities.

If a Request for Additional Information (RAI) is issued by FDEP, Geosyntec will review the RAI and work with ECWSD and FDEP to address comments. Geosyntec's overall experience with landfill permitting in Florida, the proposed team, which includes Richard Tedder, P.E., and close relationships with current FDEP staff will prove highly beneficial in addressing comments in the most efficient and timely manner. Geosyntec assumes effort to respond two solid waste permit RAIs for a total estimated budget of \$30,000.

#### Subtask 6.2.1: Landfill Infrastructure Design

The landfill infrastructure design subtask includes general site civil, roadway, stormwater and leachate design elements including the following:

- Roadway design including scalehouse entrance and interior road system
- Stormwater system design including conveyances and stormwater ponds
- Leachate management system design including a leachate storage area

Costs associated with building design (including architectural, structural, mechanical, electrical and plumbing) are typically proportional to the size and complexity of the structures. As the number, type, and detailed requirements of buildings for each development option haven't been fully identified at this stage in the process, Geosyntec assumes that ECWSD will contract directly with an architect following selection of a development option at the completion of Phase 1. Geosyntec will not be providing building design services but does anticipate effort for collaboration with the architectural-structural team selected by the ECWSD.

#### Subtask 6.3: Environmental Resource Permit Application

As provided in FDEP guidance, there is no comprehensive program or single agency responsible for wetlands/waters protection and regulation in Florida. The U.S. Environmental Protection Agency (USEPA) and U.S. Army Corps of Engineers (USACE) are responsible for administering the federal program for regulating development in waters of the U.S. (including rivers, streams, lakes, and wetlands). An operating agreement between USACE, Northwest Florida Water Management District

(NFWWMD), and FDEP allows for comprehensive, integrated joint permitting application forms to be submitted to initiate processing of permit applications required by each of the parties. Once an application is submitted, the responsible agency will, within five working days of receipt, for activities in, on, or over wetlands and other surface waters, forward a copy of the application or request and all supporting documents to USACE.

Under this phase, Geosyntec will prepare an ERP application for the proposed Class I expansion area. Early in the application process, and potentially in connection with the solid waste permit pre-application meeting, Geosyntec will coordinate and attend a pre-application meeting with the FDEP ERP staff. The ERP application will be prepared to meet the requirements set forth in FDEP/NFWWMD's Form #62-330.060(1) – Joint Application for Individual and Conceptual Environmental Resource Permit/ Authorization to use State-Owned Submerged Lands/ Federal Dredge and Fill Permit, and the rules presented in Chapter 62-330 of the F.A.C.

The ERP application will be prepared and submitted to FDEP and will specifically address the stormwater management system design and environmental considerations relevant to the expansion area, in addition to the site-wide stormwater management system. Geosyntec will prepare the following required ERP application forms and necessary attachments to complete the ERP application:

**Section A:** General Information

**Section C:** Supplemental Information for Works or Other Activities In, On, or Over Wetlands and/or Other Surface Waters

**Section E:** Supplemental Information Required for Works or Other Activities Involving a Stormwater Management System:

**I.** Site Information

**II.** Environmental Considerations

**III.** Plans

**IV.** Construction Schedule and Techniques

**V.** Drainage Information

**VI.** Operation and Maintenance and Legal Documentation

**VII.** Water Use

If an RAI is issued by FDEP, Geosyntec will review the RAI and work with ECWSD and FDEP to address comments. Geosyntec assumes effort to respond to ERP permit RAIs for a total estimated budget of \$10,000.

#### *Subtask 6.4: Construction Procurement Support*

Following issuance of the Solid Waste Permit and ERP by FDEP, Geosyntec will prepare construction-level drawings and associated bid documents (e.g., specifications, bid quantities, engineer's cost estimate) for construction of the initial cell or cells within the expansion area.

Geosyntec will support ECWSD during the bid process to facilitate timely procurement of a contractor for construction of the first phase of the landfill expansion.

**Phase 2 / Task 6 Assumptions:**

- *Geosyntec has estimated soil borings, well installation, and laboratory analytical costs based on currently available information. Due to economic factors beyond our control, we will inform ECWSD if actual cost quotes (typically procured within 30 days of work execution) exceed the cost estimates presented herein to identify a mutually acceptable solution.*
- *Geosyntec assumes that ECWSD will pay the Solid Waste Permit Application Fee directly to the FDEP.*
- *Geosyntec assumes that ECWSD will pay the ERP Permit Application Fee directly to the FDEP.*

## **Phase 3: Comprehensive Identification/Inventory of Wetland and Environmental Resources for the Perdido Landfill and Surrounding County-Owned Parcels**

### **Task 7: Identification/ Inventory of Additional Wetland and Environmental Resources**

Under this task, WSI will complete a desktop study identifying the following environmental sensitive resources:

- Wetland delineation;
- Ecological communities;
- Surface water and/or riverine resources present;
- Listed species; and
- Historical resources.

The results of the desktop study will be summarized in a report to the ECWSD.

### **MEETINGS**

Geosyntec anticipates conducting meetings at the following critical milestones:

- Initial project kick-off meeting to discuss project approach, schedule and communications
- FDEP/USACE combined meeting to discuss feasibility of Conservation Easement recension
- FDEP ERP Pre-application meeting to discuss preliminary design concepts and mitigation options
- Progress meeting to present draft findings for Tasks 1 thru 3
- Summary meeting to present the final cost-vs-benefit analysis to the ECWSD (Completion of Phase 1)

- Rezoning meetings (2) with Escambia County Planning Board and BCC
- FDEP Solid Waste Pre-Application meeting
- FDEP ERP Pre-Application meeting
- Progress meeting to present results of Phase 2-Option A, B or C (30% Design Level)
- Progress meeting to present results of Phase 2-Option A, B or C (60% Design Level)
- Progress meeting to present results of Phase 2-Option A, B or C (90% Design Level)

**BUDGET**

Billing will be in accordance with our 2023 rates on a time and materials, not-to-exceed basis. Should the project extend beyond 2023, Geosyntec reserves the right to renegotiate with ECWSD rates for subsequent years for the continuation of this project. In addition, Geosyntec has attempted to estimate projected subcontractor costs as accurately as possible in this proposal. Because we do not have control over subcontractor pricing, we reserve the right to renegotiate fees with ECWSD should actual costs be greater than estimated herein. Our estimated budget for performing these services includes the labor and materials believed necessary to complete the work scope described in the proposal. Authorization of out-of-scope work items that may be needed to fulfill the project requirements or as otherwise requested by the ECWSD will be requested as they are identified and billed on a time and materials basis in accordance with Geosyntec’s approved contract with the ECWSD. We are ready to begin work upon receipt of your Notice to Proceed.

**Table 1 – Cost Estimate Task Summary**

<b>Phase No.</b>	<b>Description</b>	<b>Estimated Cost</b>
<b>Phase 1:</b>	<b>Siting Alternatives Evaluation</b>	<b>\$ 198,869</b>
<b>Phase 2A:</b>	<b>Beulah Road Re-alignment Scenario</b>	<b>\$ 1,071,653</b>
<b>Phase 2B:</b>	<b>High Wetland Impact Scenario</b>	<b>\$ 1,084,839</b>
<b>Phase 2C:</b>	<b>Greenfield Site Scenario</b>	<b>\$ 1,144,589</b>
<b>Phase 2 Infrastructure:</b>	<b>Site Development Infrastructure Design</b>	<b>\$ 589,646</b>
<b>Phase 3:</b>	<b>Comprehensive Wetland Inventory</b>	<b>\$ 33,744</b>
<b>Total *</b>		<b>\$ 1,966,848</b>
<b>*=Higher of the Phase 2 options used for the budget total</b>		

Mr. Donald Seitz  
21 December 2022  
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## CLOSURE

Geosyntec is confident that the scope and cost presented above is reasonable and competitive for the services and personnel proposed and we greatly appreciate the opportunity to provide the ECWSD with this proposal. We look forward to discussing the contents of this proposal with you. If you have any questions, please do not hesitate to contact either of the undersigned at (850) 292-9964.

Sincerely,



Brent Schneider, P.E.(FL)  
Project Engineer



Craig Browne, P.E.(FL)  
Project Director

Copies To: Nic Howard, Escambia County  
Dan Schauer, Geosyntec

### List of Attachments:

Attachment 1: Fee Schedule, Detailed Budget, Rates  
Attachment 2: Conceptual Project Schedule

**EXHIBIT B**

**ATTACHMENT 2  
CONCEPTUAL PROJECT SCHEDULE**



ACTIVITY	DURATION (MONTHS)																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
<b>PHASE 1: SITING ALTERNATIVES EVALUATION</b>																																								
<b>Task 1: Evaluate the Beulah Road Re-alignment Scenario- Option A</b>																																								
Subtask 1.1: Evaluate feasibility of Conservation Easement (CE) recession																																								
Subtask 1.2: Evaluate existing environmental sensitive resources on proposed Expansion Site																																								
Subtask 1.3: Preliminary Engineering Design																																								
Subtask 1.4: Estimate Conceptual Wetland Permitting and Mitigation Costs																																								
Subtask 1.5: Estimate Design, Permitting and Construction costs																																								
Subtask 1.7: Estimate timeline for developing the landfill																																								
<b>Task 2: Evaluate Proposed 330-acre Expansion Area Scenario- Option B (high wetland impact)</b>																																								
Subtask 2.1: Perform Preliminary Engineering Design																																								
Subtask 2.2: Alternatives Analysis (FDEP-State 404 Program)																																								
Subtask 2.3: Estimate conceptual wetland permitting and mitigation costs																																								
Subtask 2.4: Estimate design, permitting and construction costs																																								
Subtask 2.5: Estimate potential disposal capacity and service life																																								
Subtask 2.6: Estimate timeline to develop landfill																																								
<b>Task 3: Offsite Greenfield Development Scenario- Option C</b>																																								
Subtask 3.1: Preliminary Engineering Design																																								
Subtask 3.2: Estimate landfill acquisition costs (provide a range of costs)																																								
Subtask 3.3: Estimate design, permitting, and construction costs																																								
Subtask 3.4: Estimate potential disposal capacity and service life																																								
Subtask 3.5: Estimate timeline to acquire land and develop landfill																																								
<b>Task 4: Comparison of the Siting Alternatives (Summarize Options A, B and C)</b>																																								
Subtask 4.1: Perform a cost-vs-benefit analysis																																								
Subtask 4.2: Conduct meeting with ECWSD to discuss results and recommendations																																								
<b>PHASE 2: LANDFILL DEVELOPMENT</b>																																								
<b>Task 5A: Preliminary Development of the Beulah Road Re-alignment Scenario- (If Option A Selected)</b>																																								
Subtask 5A.1: Conservation easement recession																																								
Subtask 5A.2: State 404 and ERP Permitting/Mitigation																																								
Subtask 5A.3: Public Outreach/ Community Engagement																																								
<b>Task 6: Site Development</b>																																								
Subtask 6.1: Ecological, Hydrogeological, and Geotechnical Site Investigation																																								
Subtask 6.1.1: Development of Site Investigation Work Plan																																								
Subtask 6.1.2: Hydrogeological and Geotechnical Site Investigation																																								
Subtask 6.1.3: Data Evaluation and Interpretation																																								
Subtask 6.1.4: Preparation of the Site Investigation Report																																								
Subtask 6.2: Landfill Design and FDEP Solid Waste Permit Application																																								
Subtask 6.2.1: Landfill Infrastructure Design and Permitting																																								
Subtask 6.3: Environmental Resource Permit Application																																								
Subtask 6.4: Construction Procurement Support																																								
<b>PHASE 3: PERDIDO LANDFILL WETLAND EVALUATION</b>																																								
Task 7: Identification/ Inventory of Additional Wetland and Environmental Resources																																								

ASSUMPTIONS:

- 1. Phase 1 is projected to last 8 months
- 2. Task 5A, Option A is assumed for Phase 2
- 3. Phase 2 is projected to take a total of 28 months to complete
- 4. Phase 3 is independent of Phases 1 & 2 and is projected to last 4 months

# **EXHIBIT C**

## **ATTACHMENT 1 FEE SCHEDULE**

**Proposal Budget Estimate**  
**Escambia County Future Landfill Siting Evaluation**  
**PD 21-22.124**

Item	Rate/Hour	Estimate of Hours													Total Estimate
		Task 1	Task 2	Task 3	Task 4	Task 5A	Task 5B	Task 5C	Task 6.1	Task 6.2	Task 6.2.1	Task 6.3	Task 6.4	Task 7	
<b>Engineer/Scientist</b>															
Staff Professional	\$115	80	80	96	16	8	8	104	0	0	136	72	0	0	\$ 69,000
Senior Staff Professional	\$134	0	0	0	0	0	0	0	302	0	0	0	0	0	\$ 40,468
Professional	\$157	40	40	52	8	0	0	64	506	332	304	64	12	0	\$ 223,176
Project Professional	\$183	58	50	68	16	52	56	112	193	488	280	72	218	16	\$ 307,257
Senior Professional	\$220	8	10	14	20	20	20	56	0	212	244	24	54	0	\$ 150,040
Principal	\$263	18	12	16	6	8	8	14	63	95	45	10	16	8	\$ 83,897
Senior Principal	\$328	2	2	2	2	0	0	2	60	12	8	4	0	0	\$ 30,832
<b>Subtotal</b>		\$33,244	\$30,642	\$39,592	\$12,658	\$16,940	\$17,672	\$59,162	\$191,400	\$216,989	\$182,747	\$40,726	\$57,866	\$5,032	\$870,058
<b>Construction Services</b>															
Senior Engineering Technician I	\$101	0	0	0	0	0	0	0	0	0	0	0	0	0	
Site Manager I	\$125	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Subtotal</b>		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Design, Graphical, and Administrative Services</b>															
Designer	\$148	88	88	108	0	0	0	16	40	522	384	48	178	0	\$ 217,856
Senior Drafter/Senior CADD Operator	\$117	0	0	0	0	0	0	0	0	0	0	0	0	0	
Drafter/CADD Operator/Artist	\$85	0	0	0	0	0	0	0	0	0	0	0	0	0	
Admin Assistant/Tech Word Processor	\$116	0	0	0	0	0	0	0	8	4	0	0	1	0	\$ 1,508
Clerical	\$110	0	0	0	0	0	0	0	8	8	0	0	2	0	\$ 1,980
<b>Subtotal</b>		\$13,024	\$13,024	\$15,984	\$0	\$0	\$0	\$2,368	\$7,728	\$78,600	\$56,832	\$7,104	\$26,680	\$0	\$221,344
<b>General Cost/Expenses</b>															
Specialized Computer Applications (\$15 per hour)	\$15	\$1,320	\$1,320	\$1,620	\$0	\$0	\$0	\$240	\$600	\$7,830	\$5,760	\$720	\$2,670	\$0	\$22,080
Direct Expenses	1.12	\$112	\$112	\$112	\$0	\$0	\$0	\$0	\$33,376	\$1,120	\$1,120	\$672	\$0	\$0	\$36,624
Subcontract Services	1.12	\$15,680	\$11,760	\$1,120	\$2,800	\$69,552	\$81,984	\$96,320	\$249,760	\$0	\$336,000	\$42,000	\$0	\$28,560	\$784,000
Phase Labor Subtotals		\$46,268	\$43,666	\$55,576	\$12,658	\$16,940	\$17,672	\$61,530	\$199,128	\$295,589	\$239,579	\$47,830	\$84,546	\$5,032	\$1,091,402
Communications Fee (% of Labor only)	3%	\$1,388	\$1,310	\$1,667	\$380	\$508	\$530	\$1,846	\$5,974	\$8,868	\$7,187	\$1,435	\$2,536	\$151	\$32,742
<b>Total Estimated Budget</b>		<b>\$64,768</b>	<b>\$58,168</b>	<b>\$60,095</b>	<b>\$15,838</b>	<b>\$87,000</b>	<b>\$100,186</b>	<b>\$159,936</b>	<b>\$488,837</b>	<b>\$313,407</b>	<b>\$589,646</b>	<b>\$92,657</b>	<b>\$89,752</b>	<b>\$33,743</b>	<b>\$1,966,848</b>

**Current (2023) Escambia County Rates**

**Engineer/Scientist**

**Rate/Hour**

Staff Professional	\$115
Senior Staff Professional	\$134
Professional	\$157
Project Professional	\$183
Senior Professional	\$220
Principal	\$263
Senior Principal	\$328

**Construction Services**

Engineering Technician I	\$97
Engineering Technician II	\$103
Senior Engineering Technician I	\$101
Senior Engineering Technician II	\$122
Site Manager I	\$125
Site Manager II	\$137
Construction Manager	\$183

**Design, Graphical, and Administrative Services**

Designer	\$148
Senior Drafter/Senior CADD Operator	\$117
Drafter/CADD Operator/Artist	\$85
Project Administrator	\$116
Technical Word Processor	
Clerical	\$110

**General**

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
Photocopies (per page)	\$0.10

Notes:

(1) Direct expenses includes materials, routine equipment, rental vehicles, travel expenses, lodging, shipping, and taxes. Rates for specialty field equipment, specialty health and safety equipment, and graphical supplies presented upon request.

**Escambia County Future Landfill Siting Evaluation**  
**PD 21-22.124**

PM: Brent Schneider

Project NCP2022-222361

Phase Outline	Phase Labor Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional					CADD			Clerical	Admin. Assistant
				Senior	Project	Prof.	Sr Staff	Staff	Designer	Sr. Op.	Operator		
				RT/MW/KBT	CRB	TDA/KF/RM	BS/SA	SGG	-	IB	CMV		
Task 1 - Evaluate the Beulah Road Re-Alignment Scenario- Option A (7 Tasks)	\$46,268.00	2	18	8	58	40	0	80	88	0	0	0	0
Task 2 - Evaluate Proposed 330-Acre Expansion (High Wetland Impact) Scenario- Option B (6 Tasks)	\$43,666.00	2	12	10	50	40	0	80	88	0	0	0	0
Task 3 - Offsite Greenfield Development Scenario- Option C (5 Tasks)	\$55,576.00	2	16	14	68	52	0	96	108	0	0	0	0
Task 4 - Comparison of Siting Alternatives (2 Tasks)	\$12,658.00	0	6	20	16	8	0	16	0	0	0	0	0
Task 5A - Preliminary Landfill Development-Option 2A (3 Tasks)	\$16,940.00	0	8	20	52	0	0	8	0	0	0	0	0
Task 5B - Preliminary Landfill Development- Option 2B (3 Tasks)	\$17,672.00	0	8	20	56	0	0	8	0	0	0	0	0
Task 5C - Preliminary Landfill Development- Option 2C (6 Tasks)	\$61,530.00	2	14	56	112	64	0	104	16	0	0	0	0
Task 6.1 - Site Investigations & Hydro-Geo Report (14 Tasks)	\$199,127.50	60	63		193	506	302	0	40	0	0	8	8
Task 6.2 - Landfill Design and FDEP Solid Waste Permit Application (16 Tasks)	\$295,589.00	12	95	212	488	332	0	0	522	0	0	8	4
Task 6.2.1 - Landfill Infrastructure Design (12 Tasks)	\$239,579.00	8	45	244	280	304	0	136	384	0	0	0	0
Task 6.3 - Environmental Resource Permitting (13 Tasks)	\$84,546.00	0	16	54	218	12	0	0	178	0	0	2	1
Task 6.4 - Construction Procurement Support (7 Tasks)	\$47,830.00	4	10	24	72	64	0	72	48	0	0	0	0
Task 7 - Inventory of Additional Wetland and Environmental Resources (2 Tasks)	\$5,032.00	0	8	0	16	0	0	0	0	0	0	0	0
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
	\$0.00												
Total Project Hours	6,601	94	319	682	1,679	1,422	302	600	1,472	0	0	18	13
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$22,080.00								\$15.00	\$15.00	\$15.00		
Total Labor	\$1,091,401.50	\$30,832.00	\$83,897.00	\$150,040.00	\$307,257.00	\$223,175.50	\$40,468.00	\$69,000.00	\$239,936.00	\$0.00	\$0.00	\$1,980.00	\$1,508.00



Reimbursables	Cost
Total Reimbursables	\$ 36,624.00
Subcontractors	Cost
Total Subcontractors	\$ 784,000.00

BUDGET SUMMARY	
Total Hours	6,601
Total Labor	\$ 1,091,401.50
Total Subcontractor (+12%)	\$ 784,000.00
Total Reimbursables (+12%)	\$ 36,624.00
3% Communications Fee	\$ 32,742.05
Specialized Computer Applications Rate	\$ 22,080.00
Preliminary Budget	\$ 1,966,848.00
<b>Total Budget</b>	<b>\$ 1,966,848.00</b>

Spreadsheet developed by: Craig Browne

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-22236

Task 1 Evaluate the Beulah Road Re-Alignment Scenario- Option A

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)												
		Sr. Principal RT/MW/KBT	Principal CRB	Professional			Sr Staff -	Staff IB	Designer CMV	CADD		Clerical AA	Admin. Assistant CS	
				Senior TDA/KF/IRM	Project BS/SA	Prof. SGG				Sr. Op.	Operator			
1 Evaluate feasibility of Conservation Easement (CE) recension	\$ 2,516.00		4			8								
2 Evaluate existing environmental sensitive resources on proposed expansion area	\$ 1,258.00		2			4								
3 Perform Preliminary Engineering Design	\$ 19,692.00	2	4	4	24	16		32	40					
4 Estimate conceptual wetland permitting and mitigation costs	\$ 806.00			2	2									
5 Estimate design, permitting and construction costs	\$ 9,242.00		2		8	12		24	16					
6 Estimate potential disposal capacity and service life	\$ 12,376.00		4		8	12		24	32					
7 Estimate timeline to develop landfill	\$ 1,698.00		2	2	4									
<b>Total Project Hours</b>	<b>294</b>	<b>2</b>	<b>18</b>	<b>8</b>	<b>58</b>	<b>40</b>	<b>0</b>	<b>80</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00	
Specialized Computer Application Rates	\$1,320.00								\$15.00	\$15.00	\$15.00			
<b>Total Labor</b>	<b>\$ 47,588.00</b>	<b>\$656.00</b>	<b>\$4,734.00</b>	<b>\$1,760.00</b>	<b>\$10,614.00</b>	<b>\$6,280.00</b>	<b>\$0.00</b>	<b>\$9,200.00</b>	<b>\$14,344.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 100.00
Office/Field Supplies & Shipping	
Travel, Lodging, Meals, Mileage, Etc.	
	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ 100.00</b>

Subcontractors	Cost
Wetland Sciences	\$ 14,000.00
<b>Total Subcontractors</b>	<b>\$ 14,000.00</b>

PHASE BUDGET SUMMARY	
Total Hours	294
Total Labor	\$ 47,588.00
Total Subcontractor (+12%)	\$ 15,680.00
Total Reimbursables (+12%)	\$ 112.00
Communications Fee (+3%)	\$ 1,388.04
<b>Phase Budget</b>	<b>\$ 64,768.04</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-22236

Task 2

Evaluate Proposed 330-Acre Expansion (High Wetland Impact) Scenario-Option B

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional			Sr Staff	Staff	Designer	CADD		Clerical	Admin. Assistant
				Senior	Project	Prof.				Sr. Op.	Operator		
		RT/MW/KBT	CRB	TDA/KF/IRM	BS/SA	SGG	-	IB	CMV	-	-	AA	CS
1 Perform Preliminary Engineering Design	\$ 19,692.00	2	4	4	24	16		32	40				
2 Alternatives Analysis	\$ 1,172.00			2	4								
3 Estimate conceptual wetland permitting and mitigation costs	\$ 806.00			2	2								
4 Estimate design, permitting and construction costs	\$ 9,242.00		2		8	12		24	16				
5 Estimate potential disposal capacity and service life	\$ 12,376.00		4		8	12		24	32				
6 Estimate timeline to develop landfill	\$ 1,698.00		2	2	4								
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
<b>Total Project Hours</b>	282	2	12	10	50	40	0	80	88	0	0	0	0
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$1,320.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 44,986.00</b>	<b>\$656.00</b>	<b>\$3,156.00</b>	<b>\$2,200.00</b>	<b>\$9,150.00</b>	<b>\$6,280.00</b>	<b>\$0.00</b>	<b>\$9,200.00</b>	<b>\$14,344.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 100.00
Office/Field Supplies & Shipping	
Travel, Lodging, Meals, Mileage, Etc.	
	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ 100.00</b>

Subcontractors	Cost
Wetland Sciences	\$ 10,500.00
<b>Total Subcontractors</b>	<b>\$ 10,500.00</b>

PHASE BUDGET SUMMARY	
Total Hours	282
Total Labor	\$ 44,986.00
Total Subcontractor (+12%)	\$ 11,760.00
Total Reimbursables (+12%)	\$ 112.00
Communications Fee (+3%)	\$ 1,309.98
<b>Phase Budget</b>	<b>\$ 58,167.98</b>

Notes:





**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-22236

Task 4 Comparison of Siting Alternatives

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)										Clerical	Admin. Assistant	
		Sr. Principal RT/MW/KBT	Principal CRB	Professional			Sr Staff -	Staff IB	Designer CMV	CADD				
				Senior TDA/KF/RM	Project BS/SA	Prof. SGG				Sr. Op.	Operator			
1 Comparison of siting alternatives	\$ 9,788.00	2	4	16	8	8		16						
2 Meeting with ECWSD to discuss the results of Phase 1	\$ 2,870.00		2	4	8									
<b>Total Project Hours</b>	<b>68</b>	<b>2</b>	<b>6</b>	<b>20</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00	
Specialized Computer Application Rates	\$0.00								\$15.00	\$15.00	\$15.00			
<b>Total Labor</b>	<b>\$ 12,658.00</b>	<b>\$656.00</b>	<b>\$1,578.00</b>	<b>\$4,400.00</b>	<b>\$2,928.00</b>	<b>\$1,256.00</b>	<b>\$0.00</b>	<b>\$1,840.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	
Office/Field Supplies & Shipping	
Travel, Lodging, Meals, Mileage, Etc.	
	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ -</b>

Subcontractors	Cost
Wetland Sciences	\$ 2,500.00
<b>Total Subcontractors</b>	<b>\$ 2,500.00</b>

PHASE BUDGET SUMMARY	
Total Hours	68
Total Labor	\$ 12,658.00
Total Subcontractor (+12%)	\$ 2,800.00
Total Reimbursables (+12%)	\$ -
Communications Fee (+3%)	\$ 379.74
<b>Phase Budget</b>	<b>\$ 15,837.74</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-2223

Task 5A Preliminary Landfill Development-Option 2A

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal RT/MW/KBT	Principal CRB	Professional			Sr Staff -	Staff IB	Designer CMV	CADD		Clerical AA	Admin. Assistant CS
				Senior TDA/KF/RM	Project BS/SA	Prof. SGG				Sr. Op.	Operator		
1 Conservation easement recension	\$ 3,396.00		4	4	8								
2 State 404 and ERP Permitting/Mitigation	\$ 9,902.00		2	16	32								
3 Public outreach/ community involvement	\$ 3,642.00		2		12				8				
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
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	\$ -												
	\$ -												
	\$ -												
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	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
<b>Total Project Hours</b>	<b>88</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$0.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 16,940.00</b>	<b>\$0.00</b>	<b>\$2,104.00</b>	<b>\$4,400.00</b>	<b>\$9,516.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$920.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ -
Office/Field Supplies	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
<b>Total Reimbursables</b>	<b>\$ -</b>

Subcontractors	Cost
Wetland Sciences	\$ 25,500.00
Impact Campaigns	\$ 36,600.00
<b>Total Subcontractors</b>	<b>\$ 62,100.00</b>

PHASE BUDGET SUMMARY	
Total Hours	88
Total Labor	\$ 16,940.00
Total Subcontractor (+12%)	\$ 69,552.00
Total Reimbursables (+12%)	\$ -
Communications Fee (+3%)	\$ 508.20
<b>Phase Budget</b>	<b>\$ 87,000.20</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-2223

Task 5B Preliminary Landfill Development- Option 2B

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)												
		Sr. Principal	Principal	Professional				CADD			Clerical	Admin. Assistant		
				RT/MW/KBT	CRB	Senior TDA/KF/IRM	Project BS/SA	Prof. SGG	Sr Staff	Staff IB			Designer CMV	Sr. Op.
1 State 404 and ERP Permitting/ Mitigation	\$ 9,902.00		2	16	32									
2 Supplemental ecological investigation	\$ 3,396.00		4	4	8									
3 Public outreach/ community involvement	\$ 4,374.00		2		16					8				
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
Total Project Hours	92	0	8	20	56	0	0	8	0	0	0	0	0	0
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00	
Specialized Computer Application Rates	\$0.00								\$15.00	\$15.00	\$15.00			
<b>Total Labor</b>	<b>\$ 17,672.00</b>	<b>\$0.00</b>	<b>\$2,104.00</b>	<b>\$4,400.00</b>	<b>\$10,248.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$920.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ -
Office Supplies	\$ -
	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ -</b>

Subcontractors	Cost
Wetland Sciences	\$ 27,000.00
Impact Campaigns	\$ 46,200.00
<b>Total Subcontractors</b>	<b>\$ 73,200.00</b>

PHASE BUDGET SUMMARY	
Total Hours	92
Total Labor	\$ 17,672.00
Total Subcontractor (+12%)	\$ 81,984.00
Total Reimbursables (+12%)	\$ -
Communications Fee (+3%)	\$ 530.16
<b>Phase Budget</b>	<b>\$ 100,186.16</b>
ERP RAI Estimate	\$ -

Notes:



**Escambia County Landfill Siting Design - Hydrogeological and Geotechnical Investigation and Report - Budget Estimate  
Cantonment, Florida**

PM Craig Browne

Ppsl No. NCP2022-222368

Task 6.1 Site Investigations & Hydro-Geo Report

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional			Sr Staff	Staff	CADD			Clerical	Admin. Assistant
				Senior	Project	Prof.			Designer	Sr. Op.	Operator		
RT/MW/KBT	CRB	TDA/KF/RM	BS/SA	SGG	IB	CMV	-	-	AA	CS			
1 In-office review of existing information	\$ 6,416.00	2	4	12	16								
2 Site Investigation Work Plan	\$ 3,902.00	2	2	8	8								
3 Field Work Preparation (HASP and gather field forms/supplies)	\$ 1,342.00	1	1	1	4	2							
4 Drilling Coordination & Field Oversight	\$ 77,442.00	4	10	20	240	240							
5 Office Time (preparing boring logs & samples to lab)	\$ 15,127.50	2	4	24	58								
6 Water levels, slug testing, sampling and analysis	\$ 20,030.00	4	2	4	60	60							
7 Sample Prep & Lab Coordination	\$ 5,130.00	2	2	8	20								
8 Inventory of public and private wells	\$ 4,394.00	2	2		8			12					
9 Evaluate presence of lineaments, sinkholes, and faults	\$ 14,708.00	24	8	12	12			4					
10 Lab Data Review (for geotech samples)	\$ 4,502.00	2	2	8	16								
11 Prepare Hydrogeo / Geotech Investigation Report	\$ 35,064.00	12	12	80	60			24					
12 Report Review & Updates (Based on internal and client comments)	\$ 4,456.00	4	4	8	4								
13 Finalize Report	\$ 2,794.00	2	2	4							8		
14 PM & Meetings	\$ 4,420.00	2	8	4								8	
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
<b>Total Project Hours</b>	<b>1179.5</b>	<b>60</b>	<b>63</b>	<b>0</b>	<b>193</b>	<b>506</b>	<b>302</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>8</b>
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$600.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 199,727.50</b>	<b>\$19,680.00</b>	<b>\$16,569.00</b>	<b>\$0.00</b>	<b>\$35,319.00</b>	<b>\$79,363.50</b>	<b>\$40,468.00</b>	<b>\$0.00</b>	<b>\$6,520.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$880.00</b>	<b>\$928.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 200.00
Office/Field Supplies & Shipping	\$ 1,000.00
Travel, Lodging, Meals, Mileage, Etc.	\$ 27,200.00
Slug Testing Supplies	\$ 1,000.00
GPS Rental (locate soil borings)	\$ 400.00
<b>Total Reimbursables</b>	<b>\$ 29,800.00</b>

Subcontractors	Cost
Driller - SPTs	\$ 128,000.00
Driller - Wells	\$ 30,000.00
Geotech Lab	\$ 23,000.00
Analytical Lab - Groundwater Samples	\$ 15,000.00
Wetland Sciences	\$ 27,000.00
<b>Total Subcontractors</b>	<b>\$ 223,000.00</b>

PHASE BUDGET SUMMARY	
Total Hours	1,180
Total Labor	\$ 199,727.50
Total Subcontractor (+12%)	\$ 249,760.00
Total Reimbursables (+12%)	\$ 33,376.00
Communications Fee (+3%)	\$ 5,973.83
<b>Phase Budget</b>	<b>\$ 488,837.33</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-222361

Task 6.2 Landfill Design and FDEP Solid Waste Permit Application

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional			Sr Staff	Staff	Designer	CADD		Clerical	Admin. Assistant
				Senior	Project	Prof.				Sr. Op.	Operator		
		RT/MW/KBT	CRB	TDA/KF/IRM	BS/SA	SGG	-	IB	CMV	-	-	AA	CS
1 Site Master Plan - Develop Conceptual Drawings (30% level - 3 total sheets)	\$ 15,974.00	2	4	16	32				30				
2 Slope Stability (Foundation and liner-waste block slope stability, bearing capacity)	\$ 11,140.00		4	4	16	40							
3 Settlement (Liner & Final Cover) Calcs	\$ 47,012.00		12	16	144	60		28					
4 Leachate Collection System Design (HELP Model/head on liner/filter/Sump Sizing) Cal	\$ 13,484.00		4	8	24	40							
5 Liner equivalency & compatibility demonstration (not needed)	\$ -												
6 Leachate Transmission System Design (Generation/Transmission/Storage)	\$ 10,238.00		2	8	16	32							
7 Final Cover System Performance (Veneer Stability, Geocomposite Drainage, and Soil	\$ 10,238.00		2	8	16	32							
6 Calculation of site capacity & life	\$ 3,703.00		1	4		8			8				
7 Preliminary/Draft Permit-Level drawings (60%)	\$ 71,384.00	2	16	32	40				320				
8 GCCS Conceptual Design	\$ 11,462.00		2	8	12	32			12				
9 Tech Specs & CQA Plan	\$ 11,686.00		8	12	12	24			6				
10 Financial assurance cost estimate	\$ 8,982.00		2	8	16	24							
11 Finalize Permit Drawings	\$ 18,422.00	2	4	16	24				54				
12 FDEP Permit Application Form and Engineering Report	\$ 12,092.00	2	4	8	40				8				
13 Updates per Client comments	\$ 5,710.00	2	2	8	8				8				
14 Submittal to FDEP	\$ 4,968.00			8	8				8		4		
15 PM & Internal Meetings	\$ 17,040.00		16	24	40							2	
16 Response to two FDEP RAIs	\$ 29,884.00	2	12	24	40	40			40		4	2	
	\$ -												
	\$ -												
<b>Total Project Hours</b>	1673	12	95	212	488	332	0	0	522	0	0	8	4
<b>Billing Rates</b>		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
<b>Specialized Computer Application Rates</b>	\$7,830.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 303,419.00</b>	<b>\$3,936.00</b>	<b>\$24,985.00</b>	<b>\$46,640.00</b>	<b>\$89,304.00</b>	<b>\$52,124.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$85,086.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$880.00</b>	<b>\$464.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 1,000.00
Office/Field Supplies	\$ -
Permit Application Fees	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
<b>Total Reimbursables</b>	<b>\$ 1,000.00</b>

Subcontractors	Cost
Topographic Survey (to be provided by ECWSD)	\$ -
<b>Total Subcontractors</b>	<b>\$ -</b>

PHASE BUDGET SUMMARY	
Total Hours	1,673
Total Labor	\$ 303,419.00
Total Subcontractor (+12%)	\$ -
Total Reimbursables (+12%)	\$ 1,120.00
Communications Fee (+3%)	\$ 8,867.67
<b>Phase Budget</b>	<b>\$ 313,406.67</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-222361

Task 6.2.1 Landfill Infrastructure Design

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional			CADD			Clerical	Admin. Assistant		
				Senior	Project	Prof.	Sr Staff	Staff	Designer			Sr. Op.	Operator
RT/MW/KBT	CRB	TDA/KF/RM	BS/SA	SGG	IB	CMV	AA	CS					
1 Kick-off meeting (30% design review)	\$ 15,888.00	2	4	12	24	4	-	40	40	-	-	AA	CS
2 Roadway & Drainage Design	\$ 31,236.00		4	20	40	80		40	8				
3 Scale Entrance Design	\$ 26,070.00		2	40	40	40		16	8				
4 Sewer System Design	\$ 25,596.00		8	40	40	24		20	8				
5 Leachate Management System Design	\$ 29,356.00		4	40	40	40		40	8				
6 Maintenance of Traffic Plan	\$ 8,254.00		2	4	4	16		20	8				
7 Design Drawings (60% DRAFT)	\$ 54,608.00	2	8	16	16	40			240				
8 60% Design Drawing Review w/ ECWSD	\$ 6,618.00		2	12	12	8							
9 Implement Client Edits (90% DRAFT)	\$ 14,136.00	2	8	4	8	16			40				
10 90% Permit-Level Drawing Review w/ ECWSD	\$ 6,618.00		2	12	12	8							
11 Implement Client Edits (Permit Submittal - Signed & Sealed)	\$ 5,739.00		1	4	4	8			16				
12 Project Management & Subcontractor Mgmt.	\$ 21,220.00	2		40	40	20			8				
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
<b>Total Project Hours</b>	<b>1401</b>	<b>8</b>	<b>45</b>	<b>244</b>	<b>280</b>	<b>304</b>	<b>0</b>	<b>136</b>	<b>384</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$5,760.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 245,339.00</b>	<b>\$2,624.00</b>	<b>\$11,835.00</b>	<b>\$53,680.00</b>	<b>\$51,240.00</b>	<b>\$47,728.00</b>	<b>\$0.00</b>	<b>\$15,640.00</b>	<b>\$62,592.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 1,000.00
Office/Field Supplies	\$ -
Permit Application Fees	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ 1,000.00</b>

Subcontractors	Cost
Joe DeReuil- Structural Design	\$ 250,000.00
Tierra- Geotechnical Evaluation for Structural	\$ 50,000.00
	\$ -
<b>Total Subcontractors</b>	<b>\$ 300,000.00</b>

PHASE BUDGET SUMMARY	
Total Hours	1,401
Total Labor	\$ 245,339.00
Total Subcontractor (+12%)	\$ 336,000.00
Total Reimbursables (+12%)	\$ 1,120.00
Communications Fee (+3%)	\$ 7,187.37
<b>Phase Budget</b>	<b>\$ 589,646.37</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-2223

Task 6.3 Environmental Resource Permitting

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)										Clerical AA	Admin. Assistant CS	
		Sr. Principal RT/MW/KBT	Principal CRB	Professional			Sr Staff -	Staff IB	Designer CMV	CADD				
				Senior TDA/KF/RM	Project BS/SA	Prof. SGG				Sr. Op.	Operator			
1 Review Existing ERP Documents	\$ 2,710.00			4	10									
2 Prepare post-development model	\$ 9,080.00			8	40									
3 Stormwater Calc Package	\$ 10,224.00			8	32				16					
4 Stormwater Design Plan Set	\$ 27,282.00			4	36	12			110					
5 Implement Client Comments on Draft Plans	\$ 2,768.00				8				8					
6 Peer Review	\$ 2,492.00			8	4									
7 Senior Review	\$ 2,836.00		8		4									
8 SWPPP Text	\$ 1,464.00				8									
9 FDEP ERP Application Form and Supporting Narrative	\$ 12,740.00		4	8	40				16					
10 Respond to Client comments	\$ 1,384.00				4				4					
11 Submittal to FDEP	\$ 732.00				4									
12 Weekly Meetings/Status Updates/PM	\$ 3,516.00				6									
13 Respond to two FDEP RAIs	\$ 9,988.00		4	8	16				24			2	1	
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
	\$ -													
<b>Total Project Hours</b>	<b>481</b>	<b>0</b>	<b>16</b>	<b>54</b>	<b>218</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>178</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00	
Specialized Computer Application Rates	\$2,670.00								\$15.00	\$15.00	\$15.00			
<b>Total Labor</b>	<b>\$ 87,216.00</b>	<b>\$0.00</b>	<b>\$4,208.00</b>	<b>\$11,880.00</b>	<b>\$39,894.00</b>	<b>\$1,884.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$29,014.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$220.00</b>	<b>\$116.00</b>	

Reimbursables	Cost
Photocopies and CADD Drawings	\$ 600.00
Office/Field Supplies	\$ -
Permit Application Fees	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ 600.00</b>

Subcontractors	Cost
Wetland Sciences	\$ 37,500.00
	\$ -
	\$ -
	\$ -
	\$ -
<b>Total Subcontractors</b>	<b>\$ 37,500.00</b>

PHASE BUDGET SUMMARY	
Total Hours	481
Total Labor	\$ 87,216.00
Total Subcontractor (+12%)	\$ 42,000.00
Total Reimbursables (+12%)	\$ 672.00
Communications Fee (+3%)	\$ 2,536.38
<b>Phase Budget</b>	<b>\$ 132,424.38</b>

Notes:



**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-2223

Task 6.4 Construction Procurement Support

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal	Principal	Professional			Sr Staff	Staff	CADD			Clerical	Admin. Assistant
				Senior	Project	Prof.			Designer	Sr. Op.	Operator		
RT/MW/KBT	CRB	TDA/KF/IR	BS/SA	SGG		IB	CMV	-	-	AA	CS		
1 Prepare Technical Specifications and Construction Quality Assurance (CQA) Plan	\$ 11,668.00	2	4	8	16	16		24					
2 Finalize Bid Form	\$ 4,372.00			2	8	4		16					
3 Work with Escambia County Procurement to Integrate Documents	\$ 1,652.00				4			8					
4 Review Draft Solicitation to ensure no conflict	\$ 732.00				4								
5 Conduct Pre-bid meeting	\$ 3,058.00		2	2	8	4							
6 Provide support during bidding process to include responses to contractor questions.	\$ 6,696.00			4	8	16		16					
7 Prepare construction-level drawings	\$ 20,372.00	2	4	8	24	24		8	48				
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
	\$ -												
<b>Total Project Hours</b>	294	4	10	24	72	64	0	72	48	0	0	0	0
<b>Billing Rates</b>		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
<b>Specialized Computer Application Rates</b>	\$720.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 48,550.00</b>	<b>\$1,312.00</b>	<b>\$2,630.00</b>	<b>\$5,280.00</b>	<b>\$13,176.00</b>	<b>\$10,048.00</b>	<b>\$0.00</b>	<b>\$8,280.00</b>	<b>\$7,824.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ -
Office/Field Supplies	\$ -
	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
	\$ -
<b>Total Reimbursables</b>	<b>\$ -</b>

Subcontractors	Cost
	\$ -
	\$ -
	\$ -
	\$ -
<b>Total Subcontractors</b>	<b>\$ -</b>

PHASE BUDGET SUMMARY	
Total Hours	294
Total Labor	\$ 48,550.00
Total Subcontractor (+12%)	\$ -
Total Reimbursables (+12%)	\$ -
Communications Fee (+3%)	\$ 1,434.90
<b>Phase Budget</b>	<b>\$ 49,984.90</b>

Notes:

**Escambia County Future Landfill Siting Evaluation  
PD 21-22.124**

PM Brent Schneider

Project NCP2022-2223

Task 7 Inventory of Additional Wetland and Environmental Resources

Sub-Task Outline	Sub-Task Totals	Estimated Labor (h)											
		Sr. Principal RT/MW/KBT	Principal CRB	Professional			Sr Staff -	Staff IB	Designer CMV	CADD		Clerical AA	Admin. Assistant CS
				Senior TDA/KF/RM	Project BS/SA	Prof. SGG				Sr. Op.	Operator		
1 PM and Internal Meetings	\$ 2,516.00		4										
2 Draft Report Review	\$ 2,516.00		4		8								
Total Project Hours	24	0	8	0	16	0	0	0	0	0	0	0	0
Billing Rates		\$328.00	\$263.00	\$220.00	\$183.00	\$157.00	\$134.00	\$115.00	\$148.00	\$117.00	\$85.00	\$110.00	\$116.00
Specialized Computer Application Rates	\$0.00								\$15.00	\$15.00	\$15.00		
<b>Total Labor</b>	<b>\$ 5,032.00</b>	<b>\$0.00</b>	<b>\$2,104.00</b>	<b>\$0.00</b>	<b>\$2,928.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Reimbursables	Cost
Photocopies and CADD Drawings	\$ -
Office/Field Supplies	\$ -
Travel, Lodging, Meals, Mileage, Etc.	\$ -
<b>Total Reimbursables</b>	<b>\$ -</b>

Subcontractors	Cost
Wetland Sciences	\$ 25,500.00
	\$ -
	\$ -
	\$ -
<b>Total Subcontractors</b>	<b>\$ 25,500.00</b>

PHASE BUDGET SUMMARY	
Total Hours	24
Total Labor	\$ 5,032.00
Total Subcontractor (+12%)	\$ 28,560.00
Total Reimbursables (+12%)	\$ -
Communications Fee (+3%)	\$ 150.96
<b>Phase Budget</b>	<b>\$ 33,742.96</b>

Notes: