

**AMENDMENT   1   TO WORK ORDER   1**

**Phase 2 - Construction of Cell 3 Segment 3 Expansion**

This Amendment   1   to Work Order Number   1   is entered into as of this \_\_\_\_ day of \_\_\_\_\_, 202  , pursuant to that certain Continuing Contract Agreement, dated April 4, 2023 (“Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and   Geosyntec Consultants, Inc. (“Consultant”).

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Work Order Number   1  , Effective Date April 4, 2023.
2. The COUNTY and the Consultant desire to amend this Work Order as set forth on Exhibit A (Scope of Work) attached to this Amendment and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), and within the timeframe more particularly set forth in Exhibit C (Time Schedule), all in accordance with the terms and provisions set forth in the Agreement.
3. From and after the Effective Date of this Amendment, the above-referenced Work Order is amended as set forth in this Amendment. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment 1 to Work Order 1 as of the date first written above.

**CONSULTANT:**

By:   
Print Name: **Todd Kafka**

Title: **Vice President** \_\_\_\_\_  
**Comptroller**

**BOARD OF COUNTY COMMISSIONERS  
OF INDIAN RIVER COUNTY**

By: \_\_\_\_\_  
**Susan Adams, Chairman**

**BCC Approved Date:**

**Attest: Ryan L. Butler, Clerk of Court and**

By: \_\_\_\_\_  
**Deputy Clerk**

**Approved:** \_\_\_\_\_  
**John A. Titkanich, Jr., County Administrator**

**Approved as to form and legal sufficiency:**

\_\_\_\_\_  
**K. Keith Jackman, Assistant County Attorney**

EXHIBIT 1  
PROFESSIONAL SERVICES

2 February 2024

Mr. Himanshu Mehta, P.E.  
Managing Director  
Solid Waste Disposal District  
Indian River County  
1325 74th Avenue SW  
Vero Beach, Florida 32968

**Subject: Proposal to Provide Engineering and Construction Support Services  
Phase 2 Construction of Cell 3 of Segment 3 Expansion  
Indian River County Class I Landfill  
Vero Beach, Indian River County, Florida**

Dear Mr. Mehta:

Geosyntec Consultants (Geosyntec) is pleased to submit this proposal to the Indian River County (IRC) Solid Waste Disposal District (SWDD) to provide engineering and construction support services related to Phase 2 construction of Cell 3 of Segment 3 Expansion (hereafter referred to as the Project) of the Class I Landfill at the IRC Landfill (IRCL) facility located in Vero Beach, Indian River County, Florida. The proposal presents the scope of work, schedule, and budget estimate to provide construction-phase services for the Project. The proposal was prepared in response to a request from Mr. Himanshu Mehta P.E., Managing Director of SWDD, to Dr. Kwasi Badu-Tweneboah, P.E. of Geosyntec. Geosyntec has prepared this proposal as Exhibit 1 of Work Order No. 1 for the Agreement for Engineering Consulting Services for Landfill Closure, Landfill Gas System Expansion, and Cell Construction dated 4 April 2023 (collectively referred to as the “Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and Geosyntec (“CONSULTANT”).

The remainder of this proposal presents: (i) project background; (ii) proposed scope of work; (iii) schedule; and (iv) budget estimate.

## **PROJECT BACKGROUND**

The IRCL facility is located in southern Indian River County, east of Interstate 95, south of Oslo Road, and west of Rangeline Road in Vero Beach, Florida. The SWDD administers the management and operation of the Class I landfill at the IRCL facility. The Class I Landfill includes the closed Segment 1/Infill/Segment 2 vertical expansion, and active Segment 3 lateral expansion (Segment 3). The total footprint area of Segment 3 is 76 acres and consists of eight cells that are being constructed in phases as needed. Segment 3, Cell 1, directly east of and on top of the east slope of Segment 2, was constructed in 2013. Segment 3, Cell 2 was constructed

in 2020. Republic Services of Florida LP (Republic), the operator of the Class I Landfill, has estimated that filling of Cell 2 will be nearly completed by the end of Calendar Year (CY) 2024 and has therefore recommended that SWDD considers construction of Cell 3 during CY 2023-2024. Phase 1 construction of Cell 3 of the Segment 3 Expansion started in July 2023 and is estimated to be completed by February 2024. This phase involved placement and compaction of fill material to bring the grades to the bottom of the liner system. Phase 2 construction of Cell 3 of the Segment 3 Expansion, which includes the installation of the liner and leachate control systems, is in the final steps of its procurement stage.

This proposal addresses the engineering and construction support services required to complete the construction work for Phase 2 of the Project, and includes construction management (CM), quality assurance/quality control (QA/QC) services, resident engineering and preparation of construction completion certification report for submittal to FDEP. The certification report will also cover the completion of the Phase 1 & 2 construction.

## **PROPOSED SCOPE OF WORK**

This proposal covers professional engineering and construction support services required to complete the construction of the Phase 2 of Cell 3 of Segment 3 Expansion of the Class I Landfill. The scope of work is based on the requirements of Chapter 62-701, Florida Administrative Code (FAC) and Geosyntec's understanding of the Project based on information provided by the SWDD.

Geosyntec will provide all engineering services necessary to complete the Project. For budgeting purposes, the scope of work has been divided into six phases, as presented below:

- Phase 1 – General Consulting/Meeting Support/Project Management;
- Phase 2 – Preparation of Issued for Construction (IFC) Documents;
- Phase 3 – QA/QC Services;
- Phase 4 – Construction Management;
- Phase 5 – Resident Engineering and Certification Services;
- Phase 6 – Installation of Groundwater Monitoring Wells;
- Phase 7 – Financial Assurance; and
- Phase 8 – Miscellaneous Engineering Support Services.

Each of these phases is briefly described below.

## **Phase 1: General Consulting/Meeting Support/Project Management**

Phase 1 consists of three components: general consulting, meeting support, and project management. Geosyntec will provide SWDD with consulting services necessary to initiate the project. Geosyntec will prepare presentation graphics, engineering drawings, and other documents required to support the Project's meetings and coordination activities.

A kickoff meeting with SWDD is proposed before the start of project activities so that the specific project requirements can be discussed. If required by SWDD, Geosyntec will prepare for and attend a meeting with the SWDD Board to explain the project scope and budget requirements. In addition, review meetings will be held with SWDD as necessary during the various phases of the project implementation schedule. Following each meeting, Geosyntec will prepare meeting minutes that document decisions reached in the meetings.

Project management activities will include: budget and schedule tracking, invoice review, and project communications, including the preparation of a monthly progress report. The project report will include a description of the activities completed during the month and planned activities for the following month. In addition, the progress report will identify any technical or administrative issues that require SWDD's attention and the current status of the budget and schedule.

For the purpose of this budget estimate, Geosyntec has included three meetings: (i) one kickoff meeting with SWDD; (ii) one meeting with the SWDD Board, if requested by SWDD;; and (iii) one meeting with SWDD at the completion of Phase 2 of the project. Additional meetings are addressed in the remaining phases of this proposal.

## **Phase 2: Preparation of IFC Documents**

During the bidding process several addenda were issued in response to bidders' questions. The addenda included revisions to the Issued-for Bid (IFB) documents. Geosyntec will update all the construction documents to incorporate the applicable addenda and complete IFC Documents for the selected contractor. The documents affected include Construction Drawings, Technical Specifications, and CQA Plan. A PE sealed and signed copy of the IFC Documents will be submitted to FDEP Tallahassee as part of notification of Cell 3 Phase 2 construction. Copies will also be distributed to the selected contractor, SWDD and Republic.

### **Phase 3: QA/QC Services**

Geosyntec will provide QA/QC services throughout the construction phase to ensure that the landfill cell is constructed in accordance with the design approved by FDEP to the highest construction quality standards. QA/QC services consist of four components, including:

- field monitoring QA/QC services;
- geotechnical CQA laboratory services;
- geosynthetic CQA laboratory services; and
- surveying CQA services.

#### ***Field QA/QC Services***

Geosyntec will provide QA/QC services during construction of the Project. QA/QC monitoring, testing methods, test frequencies, and the reporting requirements will be performed in accordance with the Construction Drawings, CQA Plan, Technical Specifications, and applicable portions of Chapter 62-701, F.A.C. The work will be executed by an experienced project team consisting of office managerial staff and on-site CQA representatives. Geosyntec will provide on-site monitoring services for the activities associated with construction of the project. The QA/QC services will be provided by a CQA Site Manager and Engineering Technicians, as needed. The CQA Site Manager will be responsible for QA/QC activities throughout the Project including monitoring construction, coordinating soils and geosynthetics testing, and maintaining documentation of QA/QC activities at the site.

Geosyntec will assign one CQA field personnel for every major construction activity being performed by the Contractor. For geosynthetics installation, one field CQA personnel can monitor two welding technicians. If at times several liner system installation operations are conducted simultaneously, the on-site CQA personnel will monitor those operations that are considered most critical to the performance of the liner system. Any non-conforming or questionable practices observed by Geosyntec will be brought to the attention of the concerned parties for review and correction.

#### ***Geotechnical CQA Laboratory Services***

Geosyntec will provide independent geotechnical CQA laboratory testing related to the construction. Geosyntec proposes to use Excel Geotechnical Testing Laboratory (Excel) of Roswell, Georgia to perform the required soils conformance and performance tests in accordance with the test methods described in the Technical Specifications and CQA Plan. A copy of

Excel's fee schedule is included in Attachment A. The test results will be reviewed by the CQA Site Manager. SWDD will be provided with regular updates of the conformance and performance testing activities and results. Summary reports of the test results will be presented in the certification report.

### ***Geosynthetic CQA Laboratory Services***

Geosyntec will perform: (i) conformance testing of the geosynthetic materials; and (ii) destructive testing of the geomembrane seams at an off-site geosynthetic CQA testing laboratory. Conformance sampling of the geosynthetics will be undertaken at the manufacturing plant prior to shipment of the geosynthetics to the site. This will expedite the conformance testing and eliminate delays in the field waiting for test results. Geosyntec proposes to use TRI Environmental (TRI) of Austin, Texas to perform the required geosynthetics testing. Geosyntec will be responsible for coordinating collection of conformance test samples with the TRI and the geosynthetic manufacturers. TRI will be responsible for all conformance testing. The CQA Site Manager will also coordinate collection and shipping of geomembrane destructive seam samples at the frequencies specified in the CQA Plan to TRI. The laboratory will perform geomembrane seam strength tests for compliance with the Technical Specifications and CQA Plan. A copy of TRI's fee schedule is included in Attachment B. Test results will be e-mailed to the site in order to avoid delays with the construction schedule.

### ***Surveying CQA Services***

Geosyntec will subcontract the services of a Registered Land Surveyor to provide the surveying required and prepare the as-built record drawings of the Cell 3 liner and leachate control systems construction. Geosyntec has selected Peavey & Associates (Peavey) of Fort Meade, Florida to provide surveying services. Peavey will assist with surveying the critical layers of the liner system construction and provide data to check material quantities for measurement and payment purposes. A copy of Peavey's proposal is enclosed as Attachment A.

## **Phase 4: Construction Management**

Geosyntec will provide construction management (CM) services throughout the duration of construction. CM activities will include conducting pre-construction and weekly construction progress meetings with the Contractor and its subcontractor(s), preparing and distributing meeting minutes, reviewing the Contractor's construction schedule for evaluating construction progress, assisting the Contractor and SWDD in identifying critical construction phases and material procurement activities, providing assistance to the Contractor in formulating plans to regain the project schedule in case of unforeseen delays, reviewing Contractor payment requests and verifying quantities and conformance with the plans and specifications, and providing

contract administration to include construction-related correspondence with the Contractor and SWDD.

### **Phase 5: Resident Engineering and Certification Services**

Geosyntec will provide resident engineering services throughout the duration of construction. Resident engineering services will include Construction Drawings and Technical Specifications interpretation or clarification, an evaluation of any changed conditions, and engineering analyses for any design changes or improvisations. Geosyntec will also provide support to SWDD in the preparation of modifications, deletions, or additions to the contract documents. Contractor's change proposals will be evaluated for technical merit, conformance with design intent, and reasonableness with respect to pricing. Geosyntec will also assist SWDD in the review and approval process for submittals required by the contract documents. Resident engineering services are expected to include engineers, administrative assistants, CADD designers, and technical word processors, as needed.

As part of the Resident Engineering phase, Geosyntec will prepare a final QA/QC certification report, which will include as-built record drawings for the Project. The report will contain a narrative describing, in detail, the aspects of field activities associated with the Phase 2 construction, specifically with reference to the activities identified in this proposal. The report will also include a summary of all conformance and performance tests conducted, testing frequencies, and test results showing compliance with the Technical Specifications and the CQA Plan. The documentation of construction activities (presented on daily summary reports, monitoring logs, test data sheets, nonconformance identification and corrective measures reports, and design change records) will be included as appendices to the final report. The as-built record drawings will be prepared for the Project, in AutoCAD format, in order to illustrate the details of construction, any approved design changes or deviations. Peavey will be responsible for preparing the as-built drawings signed and sealed by a registered land surveyor in the State of Florida. Geosyntec will coordinate and review drafts of the as-built drawings to ensure compliance with the Project and permit requirements.

The final QA/QC certification report will be signed and sealed by a registered professional engineer in the State of Florida. Geosyntec will prepare the report within 30 days of completing the construction activities. Electronic copies of the final QA/QC certification report will be submitted to FDEP for approval with copies provided to SWDD.



## **Phase 6: Installation of Groundwater Monitoring Wells**

The four groundwater monitoring well clusters (MW-25S/I, MW-39S/I, MW-47S/I and MW-48S/I) and piezometer PZ-2 will be installed prior to certification of construction completion and approval of Cell 3 by FDEP for waste placement. Geosyntec has solicited a quote from Earth Tech Drilling, Inc. (Earth Tech) to serve as a drilling subcontractor to perform these services. It should be noted that Earth Tech installed the monitoring wells in 2023 related to the leachate storage tank on the eastern portion of the Site. A copy of Earth Tech's proposal is included as Attachment D. Geosyntec has also solicited a quote from Peavey to survey the locations of the new groundwater monitoring wells and prepare the required drawing for submittal to FDEP. Peavey also provided similar services during the Phase 1 construction project. A copy of Peavey's proposal is included in Attachment A.

A Geosyntec hydrogeologist or equivalent will be on-site to observe the well installations. Upon completion of the well installations, the wells will be developed prior to sampling. The locations of the wells will be surveyed and a well completion report will be prepared and submitted to FDEP in accordance with the requirements of the Water Quality Monitoring Plan of the Class I Landfill permit. It has been assumed that the laboratory analyses will be performed by the SWDD's contracted analytical laboratory (i.e., Eurofins) and has therefore not been included in the budget estimate. Additionally, in accordance with previous well installations related to assessment of the Class I Landfill, the soil cuttings from the well installations will be drummed. A cost for disposal of the soil drums is not included in the budget estimate.

## **Phase 7: Financial Assurance**

For Phase 7, Geosyntec proposed updating the Financial Assurance Cost Estimate (FACE) for Cells 1 and 2 of the Segment 3 Expansion at the Indian River County Landfill to include proposed Cell 3. The scope and corresponding budget estimate were prepared using the following assumptions.

- The FACE will be prepared using quotes and unit rates obtained in 2024.
- The work for this task would include completing DEP Form 62-701.900(28) (Closure Cost Estimating Form for Solid Waste Facilities) and updating the quantities that has been already calculated for the previous Cells.
- The FACE will be prepared in a similar format to the submittal for Cells 1 titled "Section 17 - Financial Assurance", prepared by CDM Smith, and accepted by IRC SWDD on 10 February 2020.
- Geosyntec will provide one electronic copy of the draft documents to IRC for review and comments. Geosyntec will implement one round of revisions to finalize.
- Geosyntec will submit the final signed and sealed FACE to FDEP and IRC in electronic format.

- Effort to respond to requests for additional information (RAIs) is not included. Should RAIs be received, Geosyntec will review and provide IRC with a budget estimate to respond to the RAIs.

### **Phase 8: Miscellaneous Engineering Support Services**

This phase will address two issues associated with the operation of the expanded Class I landfill including:

- Re-design and replacement of the Sligo pump in Cell 1 of Segment 3 Expansion; and
- Design new system to reduce the leachate leakage of Cell 2

During the construction of Phase 1 of Cell 3 of Segment, SWDD requested the re-design and installation of a new pump station for Cell 1 of Segment 3. Geosyntec will evaluate the current Sligo pump station design and prepare construction drawings and specifications for the installation of a new pump. During the construction of Phase 1 of Cell 3 multiple leachate leaks were identified on the east and north portions of Cell 2, specifically entering the stormwater ditches. Geosyntec will evaluate the leaks and provide prepare construction drawing and specifications to mitigate the leakage. No budgeting for construction oversight is included in this proposal since it is not yet known if and when this recommendation would be implemented by SWDD.

### **SCHEDULE**

Geosyntec schedule is based on the assumption that the procurement program terminating with the signing of the construction contract with the selected candidate contractor will be completed by 15 March 2024. Construction is estimated to require four months to complete with an additional month for project certification and FDEP approval. Thus, Cell 3 of the Segment 3 Expansion should be ready to accept waste by 1 October 2024.

Geosyntec recognizes the importance of the schedule for SWDD and their need to obtain the required disposal capacity from the Cell 3 of Segment 3 Expansion of the Class I Landfill. Throughout the duration of the Project, Geosyntec will work diligently to meet those milestones and the schedule developed for the Project.

### **BUDGET ESTIMATE**

The following assumptions were used by Geosyntec in developing the budget estimate presented below:

- The total project duration will be 5 months with an anticipated start date on or 4 April 2012. The construction schedule, based on the Contract Documents, is anticipated to be 4 months (16 weeks).
- QA/QC monitoring is budgeted for 10 hours per day, 6 days per week (60 hours per week).
- All hours worked on the Project will be invoiced at the rates indicated in the detailed budget estimate with no premium charged for overtime. Geosyntec assumes that we will be compensated for any time over 60 hours per week should the Contractor elects to exceed this schedule. No standby time will be applied to the CQA personnel for days not worked, provided at least 40 hours are invoiced each week for the field CQA person. If federal statutory holidays are worked (i.e., Memorial Day, Independence Day, etc.) the rates provided will be doubled for hours worked on these days. Should the minimum weekly chargeability goal of 40 hours for each CQA personnel not be achieved (as a result of bad weather or other unforeseen circumstances), Geosyntec will demobilize the CQA personnel in order to control the budget.
- Geosyntec will minimize courier fees by exchanging information between SWDD and Geosyntec via e-mail and follow-up by regular mail. However, some express shipments may be unavoidable. Although not included in this estimate, all shipping or other similar communication fees incurred will be invoiced at cost plus markup in accordance with the rate schedule.
- Geosyntec CQA personnel require space for office work and small equipment storage while on site. SWDD will provide adequate field facilities with necessary utilities, and access to a phone and copier. Geosyntec will provide a mobile telephone to the CQA Site Manager and other technicians during the construction phase.
- Geosyntec will provide a nuclear moisture/density gauge for use by the CQA personnel. It is assumed that a proper overnight storage area for the gauge will be provided. Other equipment that will be provided by Geosyntec will include; field computer, digital camera, data collectors, handheld GPS, and other miscellaneous field equipment. Geosyntec has elected to provide this equipment at no cost to SWDD.
- Geosyntec will prepare a site-specific Health and Safety Plan specifically for use by Geosyntec CQA personnel employees working onsite.
- Costs for expenses (including gas, tolls, field sampling supplies, truck rental and other project-specific purchases and expenses) will be invoiced at no additional increase or surcharge.

- Geosyntec proposes to provide a rental/company vehicle for use by Geosyntec CQA personnel on site at a daily unit rate of \$150. Due to recent rapidly rising fuels costs, the daily unit rate for this vehicle does not include the costs of fuel and tolls which will be invoiced at cost.

A budget estimate for the scope of work outlined in Phases 1 through 6 of this proposal is summarized below, with a detailed budget estimate provided as Attachment A.

|   |                     |
|---|---------------------|
| <b>Phase 1 – General Consulting/Meeting Support/Project Management</b>  | <b>\$45,079.02</b>  |
| <b>Phase 2 – Preparation of Issued for Construction (IFC) Documents</b> | <b>\$9,939.28</b>   |
| <b>Phase 3 – QA/QC Services</b>   | <b>\$376,839.12</b> |
| <b>Phase 4 – Construction Management</b>                                | <b>\$66,252.24</b>  |
| <b>Phase 5 – Resident Engineering and Certification Services</b>        | <b>\$80,076.20</b>  |
| <b>Phase 6 – Installation of Monitoring Wells</b>                       | <b>\$44,043.70</b>  |
| <b>Phase 7 – Financial Assurance</b>                                    | <b>\$9,103.66</b>   |
| <b>Phase 8 – Miscellaneous Engineering Support Service</b>              | <b>\$35,811.92</b>  |
| <b>TOTAL</b>  | <b>\$667,145.14</b> |

Geosyntec will not exceed the cost estimate without prior approval and written authorization from SWDD.

Mr. Himanshu Mehta, P. E.  
2 February 2024  
Page 11

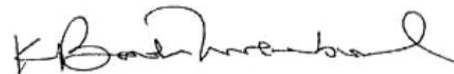
## CLOSURE

Geosyntec appreciates this opportunity to offer our services. If this proposal is acceptable, please indicate your agreement by signing the attached work authorization, which references this proposal. Please return one signed work authorization to Dr. Badu-Tweneboah's attention. Please call the undersigned with questions you may have as you review this proposal.

Sincerely,



Timothy R. Copeland, Ph.D., P.E.  
Engineer



Kwasi Badu-Tweneboah, Ph.D., P.E.  
Senior Principal

ATTACHMENT A  
SUBCONTRACTOR SERVICES



# Peavey & Associates

Surveying & Mapping, PA

9399 North Lake Buffum Road Fort Meade, FL 33841

Phone: 863-738-4960

Email: [DebPeavey@peaveysurveying.com](mailto:DebPeavey@peaveysurveying.com)

December 18, 2023

Mr. Kwasi Badu-Tweneboah, Ph. D. P.E.  
Geosyntec Consultants  
1200 Riverplace Boulevard, Suite 710  
Jacksonville, Florida 32207

## **RE: Indian River County Vero Beach Landfill Cells 3 Construction**

I am pleased to offer the following proposal for surveying services at the above referenced project location.

### **1. SCOPE OF SERVICES**

The project consists of the following surveying services located at the above location as follows:

#### **PHASE 1-Site Preparation Surveying**

- Task Four- Stakeout locations of groundwater monitoring wells and gas monitoring probes.
- Task Five- Survey TOC (northing, easting, and elevation in NGVD29) for individual wells. Survey shall be prepared in accordance with the FDEP permit. Providing three (3) signed and sealed hard copies and electronic file.

#### **PHASE 11- Cell Construction Surveying**

- Task One: As-built survey of the preparation of the liner grade surface & anchor trench.
- Task Two: As-built survey of the secondary liner geomembrane. Panels, repairs, destructs.
- Task Three: As-built survey of the primary liner geomembrane. Panels, repairs, destructs, and liner tie-in.
- Task Four: As-built survey of the 2' protective layer surface.
- Task Five: As-built of the leachate collection system corridor pipes, sumps, manholes, force main, etc.
- Task Six: As-built survey of the final improvements. Edge of liner markers and stormwater improvements.
- Task Seven: Volume calculations for conformance check and for measurement and final payment purposes.



# Peavey & Associates

Surveying & Mapping, PA

9399 North Lake Buffum Road Fort Meade, Fl 33841

Phone: 863-738-4960

Email: [DebPeavey@peaveysurveying.com](mailto:DebPeavey@peaveysurveying.com)

Survey shall be on a square grid spaced not wider than 50 feet. Five copies of the final as-built drawings and electronic copy in Cadd will be provided.

## 2. REQUIREMENTS OF CLIENT

- Receipt of an executed agreement.
- Hard copy of the approved construction plans
- Digital copy of plans. (pdf and cadd)

## 3. PROFESSIONAL FEES

Compensation for the outlined services will be on a lump sum basis, billed monthly for completion percentages of work in progress, as followed:

### PHASE 1 - Site Preparation Surveying

|            |                  |
|------------|------------------|
| Task Four: | 1,500.00         |
| Task Five: | <u>2,500.00</u>  |
|            | TOTAL \$4,000.00 |

### PHASE 2 - Cell Construction Surveying

|             |                   |
|-------------|-------------------|
| Task One:   | 5,000.00          |
| Task Two:   | 6,000.00          |
| Task Three: | 6,000.00          |
| Task Four:  | 6,000.00          |
| Task Five:  | 4,000.00          |
| Task Six:   | 4,000.00          |
| Task Seven: | <u>1,000.00</u>   |
|             | TOTAL \$32,000.00 |

**PROJECT TOTAL \$36,000.00**

## 4. ACCEPTANCE OF TERMS

Services requested by the CLIENT not listed in the above scope of work will be provided on a time and material basis in accordance with the “Hourly Rate Schedule” attached hereto as Exhibit “A”.

If the proceeding is satisfactory to you, please return a signed copy of this Agreement. Invoicing will occur monthly based upon the percentage or hours of work completed.





# Peavey & Associates

Surveying & Mapping, PA

9399 North Lake Buffum Road Fort Meade, FL 33841

Phone: 863-738-4960

Email: [DebPeavey@peaveysurveying.com](mailto:DebPeavey@peaveysurveying.com)

Sincerely,

Deborah L. Peavey, PSM

Agreed to and accepted by: \_\_\_\_\_

**Owner or Owner's Authorized Agent    Date**

## EXHIBIT A

### HOURLY RATE SCHEDULE

|                         |        |
|-------------------------|--------|
| Senior Project Surveyor | 175.00 |
| Survey Crew             | 175.00 |



Excel Geotechnical Testing, Inc.  
"Excellence in Testing"  
983 Forrest Street, Roswell, Georgia 30075  
Tel: (770) 910 7337, www.excelgeotesting.com

**2024 Fee Schedule A**  
Geotechnical Testing  
Testing Cost Less Than \$7000

| Test   | Test Standard<br>(or Similar AASHTO Standard) | Unit Cost<br>(\$) | Remarks<br>(-)                |
|--|---|-------------------|-------------------------------|
| Bulk Specific Gravity  | ASTM C127                                     | 150               | Per Size Fraction             |
| Grain Size Analysis - Coarse Materials                       | ASTM C136                                     | 160               |                               |
| Grain Size Analysis - Mechanical Sieve                       | ASTM D422                                     | 120               | Note 1                        |
| Grain Size Analysis - Hydrometer                             | ASTM D422                                     | 130               | Note 2                        |
| Shrinkage Limit  | ASTM D427                                     | 455               |                               |
| Standard Proctor - Soil (Add \$50 for Method C)              | ASTM D698                                     | 215               | Note 3                        |
| Specific Gravity   | ASTM D854                                     | 130               |                               |
| Materials Finer than 200 Sieve (Wash No. 200)                | ASTM D1140                                    | 90                |                               |
| Modified Proctor - Soil (Add \$50 for Method C)              | ASTM D1557                                    | 270               | Note 3                        |
| CBR (Per One Density and Moisture Content)                   | ASTM D1883                                    | 430               |                               |
| Unconfined Compression Strength (up to 2.8" Diameter)        | ASTM D2166                                    | 160               | (Peak only \$120)             |
| Moisture Content   | ASTM D2216                                    | 16                |                               |
| Rigid Wall Permeability (3.0" and 4.5" Dia.)                 | ASTM D2434                                    | 295               |                               |
| Specimen Preparation (Remold at Specific Moisture & Density) | -   | 75                |                               |
| Rigid Wall Permeability (Larger than 4.5" Dia.)              | ASTM D2434                                    | 395               |                               |
| Specimen Preparation (Remold at Specific Moisture & Density) | -   | 95                |                               |
| One-Dimensional Consolidation (2.5" Diameter)                | ASTM D2435                                    | 660               | Notes 4 & 5                   |
| Each Additional Load after 8 load/unload/reload              | -   | 65                |                               |
| Specimen Preparation (Remold)                                | -   | 70                |                               |
| Consolidation Pressure >32,000 psf & <80,000 psf, add        | -   | 65                |                               |
| Consolidation Pressure >80,000 psf & <120,000 psf, add       | -   | 135               |                               |
| Additional Daily monitoring after 8 Days                     | -   | 15                |                               |
| Engineering Classification                                   | ASTM D2487                                    | 15                |                               |
| UU Triaxial (2.8" Diameter)                                  | ASTM D2850                                    | 330               | Note 5                        |
| Specimen Remold  | -   | 85                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Dry Unit Weight (For Insitu Drive-Cylinder)                  | ASTM D2937                                    | 90                |                               |
| Organic Content  | ASTM D2974                                    | 80                |                               |
| Insoluble Residue in Carbonate Aggregates                    | ASTM D3042                                    | 555               |                               |
| Double Hydrometer  | ASTM D4221                                    | 235               |                               |
| Atterberg Limits (Wet Procedure, 3 Points)                   | ASTM D4318                                    | 140               |                               |
| Calcium Carbonate Content of Soils                           | ASTM D4373                                    | 135               |                               |
| Air Permeability   | ASTM D4525                                    | 375               |                               |
| Moisture Content Determination                               | ASTM D4643                                    | 15                |                               |
| Dispersive Clay by Pinhole                                   | ASTM D4647                                    | 540               |                               |
| CU Triaxial (2.8" Diameter)                                  | ASTM D4767                                    | 490               | Notes 5 & 6                   |
| Specimen Preparation (Remold)                                | -   | 85                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Consolidation Pressure >25 psi & <50 psi, add                | -   | 30                |                               |
| Consolidation Pressure >50 psi & <75 psi, add                | -   | 70                |                               |
| Consolidation Pressure >75 psi & <100 psi, add               | -   | 140               |                               |
| Each Additional Effective Stress                             | -   | 85                |                               |
| Additional Daily monitoring after 10 Days from Setup         | -   | 25                |                               |
| pH of Soils  | ASTM D4972, EPA 9045D                         | 75                |                               |
| Flexible Wall Permeability (2.8" Diam.)                      | ASTM D5084                                    | 395               | Notes 5 & 7                   |
| Specimen Preparation (Remold, 2.8" Diameter)                 | -   | 65                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Consolidation Pressure >25 psi & <50 psi, add                | -   | 35                |                               |
| Consolidation Pressure >50 psi & <75 psi, add                | -   | 65                |                               |
| Consolidation Pressure >75 psi & <100 psi, add               | -   | 145               |                               |
| Each Additional Effective Stress                             | -   | 90                |                               |
| Additional Daily monitoring after 7 Days from Setup          | -   | 25                |                               |
| GCL Index Flux (4" Dia.)                                     | ASTM D5887                                    | 300               |                               |
| Thickness Measurement of GCL (Hydrated Bentonite)            | ASTM D5887 - Appendix                         | 55                |                               |
| Bentonite Water Slurry Preparation                           | -   | 75                |                               |
| Filtrate Loss  | ASTM D5891/API RP 13                          | 115               |                               |
| Bentonite Free Swell   | ASTM D5890/USPNF XVII                         | 95                |                               |
| Mass per Unit Area of GCL                                    | ASTM D5993                                    | 75                |                               |
| Grain Size Analysis - Mechanical Sieve (Without Split Sieve) | ASTM D6913                                    | 140               | See ASTM D7928 for Hydrometer |
| Grain Size Analysis - Mechanical Sieve (With Split Sieve)    | ASTM D6913                                    | 200               | See ASTM D7928 for Hydrometer |
| Uniaxial Compressive Strength of Rock Core (<10,000 lbs)     | ASTM D7012                                    | 225               |                               |
| Density (Unit Weight) of Soil Specimens - Method A           | ASTM D7263                                    | 185               |                               |
| Density (Unit Weight) of Soil Specimens - Method B           | ASTM D7263                                    | 90                |                               |
| Calculation of Porosity and Void Ratio of Soil               | -   | 55                | Note 8                        |
| Grain Size Analysis - Hydrometer                             | ASTM D7928                                    | 130               |                               |
| Slurry Unit Weight   | API RP13                                      | 55                |                               |
| Marsh Funnel Viscosity                                       | API RP13                                      | 55                |                               |
| Sand Content   | API RP13                                      | 130               |                               |
| Porosity   | API PR40                                      | 55                | Note 8                        |
| Bulk Density   | API PR40                                      | 90                |                               |
| Volume Change  | Georgia DOT                                   | 265               |                               |
| Sample Registration  | -   | 1                 |                               |
| Soil Composite Preparation                                   | -   | -                 |                               |
| Small Samples (Jar samples)                                  | -   | 15                |                               |
| Medium Samples (Bag samples)                                 | -   | 30                |                               |
| Large Samples (2 Bucket samples)                             | -   | 55                |                               |
| Extra Large Samples (3 to 5 Bucket samples)                  | -   | 110               |                               |
| <b>Hourly Rates</b>  |   |                   |                               |
| Laboratory Technician Level I                                | Per Hour                                      | 60                |                               |
| Laboratory Technician Level II                               | Per Hour                                      | 65                |                               |
| Laboratory Technician Level III                              | Per Hour                                      | 80                |                               |
| Assistant Laboratory Manager                                 | Per Hour                                      | 90                |                               |
| Laboratory Manager   | Per Hour                                      | 245               |                               |

Add 15 percent for ash and/or gypsum samples (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).  
Add 30 percent for contaminated samples (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).  
Add 50 percent for hazardous materials (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).  
Note 1: The test standard has been withdrawn and replaced with ASTM D 6913.  
Note 2: The test standard has been withdrawn and replaced with ASTM D 7928.  
Note 3: Including laboratory an estimate of coarse-fraction correction (when applicable).  
Note 4: Specimen diameter 2.5", up to 8 loads (seating load, loads, unloads or reloads), maximum consolidation pressure of 32,000 psf and total test duration of 8 days.  
Note 5: For other size samples contact the laboratory.  
Note 6: Per point and total maximum test duration of 10 days from set up to end of shearing. Note, triaxial testing usually consists of three points.  
Note 7: For maximum test duration of 7 days from set up to end of permeation. After 7 days, the daily monitoring cost will be applied.  
Note 8: Tests results from ASTM D864, ASTM D2216 and ASTM D2937/D7263 are required for the calculation.



Excel Geotechnical Testing, Inc.  
"Excellence in Testing"  
983 Forrest Street, Roswell, Georgia 30075  
Tel: (770) 910 7337, www.excelgeotesting.com

**2024 Fee Schedule B**  
Geotechnical Testing  
Testing Cost More Than \$7000

| Test   | Test Standard<br>(or Similar AASHTO Standard) | Unit Cost<br>(\$) | Remarks<br>(-)                |
|--|---|-------------------|-------------------------------|
| Bulk Specific Gravity  | ASTM C127                                     | 145               | Per Size Fraction             |
| Grain Size Analysis - Coarse Materials                       | ASTM C136                                     | 150               |                               |
| Grain Size Analysis - Mechanical Sieve                       | ASTM D422                                     | 110               | Note 1                        |
| Grain Size Analysis - Hydrometer                             | ASTM D422                                     | 125               | Note 2                        |
| Shrinkage Limit  | ASTM D427                                     | 430               |                               |
| Standard Proctor - Soil (Add \$50 for Method C)              | ASTM D698                                     | 210               | Note 3                        |
| Specific Gravity   | ASTM D854                                     | 125               |                               |
| Materials Finer than 200 Sieve (Wash No. 200)                | ASTM D1140                                    | 85                |                               |
| Modified Proctor - Soil (Add \$50 for Method C)              | ASTM D1557                                    | 255               | Note 3                        |
| CBR (Per One Density and Moisture Content)                   | ASTM D1883                                    | 395               |                               |
| Unconfined Compression Strength (up to 2.8" Diameter)        | ASTM D2166                                    | 150               | (Peak only \$115)             |
| Moisture Content   | ASTM D2216                                    | 15                |                               |
| Rigid Wall Permeability (3.0" and 4.5" Dia.)                 | ASTM D2434                                    | 290               |                               |
| Specimen Preparation (Remold at Specific Moisture & Density) | -   | 75                |                               |
| Rigid Wall Permeability (Larger than 4.5" Dia.)              | ASTM D2434                                    | 395               |                               |
| Specimen Preparation (Remold at Specific Moisture & Density) | -   | 90                |                               |
| One-Dimensional Consolidation (2.5" Diameter)                | ASTM D2435                                    | 640               | Notes 4 & 5                   |
| Each Additional Load after 8 load/unload/reload              | -   | 65                |                               |
| Specimen Preparation (Remold)                                | -   | 65                |                               |
| Consolidation Pressure >32,000 psf & <80,000 psf, add        | -   | 60                |                               |
| Consolidation Pressure >80,000 psf & <120,000 psf, add       | -   | 130               |                               |
| Additional Daily monitoring after 8 Days                     | -   | 15                |                               |
| Engineering Classification                                   | ASTM D2487                                    | 15                |                               |
| UU Triaxial (2.8" Diameter)                                  | ASTM D2850                                    | 310               | Note 5                        |
| Specimen Remold  | -   | 80                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Dry Unit Weight (For Insitu Drive-Cylinder)                  | ASTM D2937                                    | 85                |                               |
| Organic Content  | ASTM D2974                                    | 75                |                               |
| Insoluble Residue in Carbonate Aggregates                    | ASTM D3042                                    | 520               |                               |
| Double Hydrometer  | ASTM D4221                                    | 225               |                               |
| Atterberg Limits (Wet Procedure, 3 Points)                   | ASTM D4318                                    | 135               |                               |
| Calcium Carbonate Content of Soils                           | ASTM D4373                                    | 130               |                               |
| Air Permeability   | ASTM D4525                                    | 355               |                               |
| Moisture Content Determination                               | ASTM D4643                                    | 15                |                               |
| Dispersive Clay by Pinhole                                   | ASTM D4647                                    | 510               |                               |
| CU Triaxial (2.8" Diameter)                                  | ASTM D4767                                    | 470               | Notes 5 & 6                   |
| Specimen Preparation (Remold)                                | -   | 80                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Consolidation Pressure >25 psi & <50 psi, add                | -   | 25                |                               |
| Consolidation Pressure >50 psi & <75 psi, add                | -   | 65                |                               |
| Consolidation Pressure >75 psi & <100 psi, add               | -   | 135               |                               |
| Each Additional Effective Stress                             | -   | 80                |                               |
| Additional Daily monitoring after 10 Days from Setup         | -   | 20                |                               |
| pH of Soils  | ASTM D4972, EPA 9045D                         | 70                |                               |
| Flexible Wall Permeability (2.8" Diam.)                      | ASTM D5084                                    | 375               | Notes 5 & 7                   |
| Specimen Preparation (Remold, 2.8" Diameter)                 | -   | 60                |                               |
| Specimen Preparation (Shelby Tube Cut)                       | -   | 15                |                               |
| Consolidation Pressure >25 psi & <50 psi, add                | -   | 30                |                               |
| Consolidation Pressure >50 psi & <75 psi, add                | -   | 60                |                               |
| Consolidation Pressure >75 psi & <100 psi, add               | -   | 135               |                               |
| Each Additional Effective Stress                             | -   | 80                |                               |
| Additional Daily monitoring after 7 Days from Setup          | -   | 20                |                               |
| GCL Index Flux (4" Dia.)                                     | ASTM D5887                                    | 280               |                               |
| Thickness Measurement of GCL (Hydrated Bentonite)            | ASTM D5887 - Appendix                         | 50                |                               |
| Bentonite Water Slurry Preparation                           | -   | 65                |                               |
| Filtrate Loss  | ASTM D5891/API RP 13                          | 110               |                               |
| Bentonite Free Swell   | ASTM D5890/USPNF XVII                         | 90                |                               |
| Mass per Unit Area of GCL                                    | ASTM D5993                                    | 70                |                               |
| Grain Size Analysis - Mechanical Sieve (Without Split Sieve) | ASTM D6913                                    | 130               | See ASTM D7928 for Hydrometer |
| Grain Size Analysis - Mechanical Sieve (With Split Sieve)    | ASTM D6913                                    | 175               | See ASTM D7928 for Hydrometer |
| Uniaxial Compressive Strength of Rock Core (<10,000 lbs)     | ASTM D7012                                    | 215               |                               |
| Density (Unit Weight) of Soil Specimens - Method A           | ASTM D7263                                    | 160               |                               |
| Density (Unit Weight) of Soil Specimens - Method B           | ASTM D7263                                    | 85                |                               |
| Calculation of Porosity and Void Ratio of Soil               | -   | 50                | Note 8                        |
| Grain Size Analysis - Hydrometer                             | ASTM D7928                                    | 120               |                               |
| Slurry Unit Weight   | API RP13                                      | 55                |                               |
| Marsh Funnel Viscosity                                       | API RP13                                      | 55                |                               |
| Sand Content   | API RP13                                      | 120               |                               |
| Porosity   | API PR40                                      | 50                | Note 8                        |
| Bulk Density   | API PR40                                      | 85                |                               |
| Volume Change  | Georgia DOT                                   | 215               |                               |
| Sample Registration  | -   | 1                 |                               |
| Soil Composite Preparation                                   | -   | -                 |                               |
| Small Samples (Jar samples)                                  | -   | 15                |                               |
| Medium Samples (Bag samples)                                 | -   | 25                |                               |
| Large Samples (2 Bucket samples)                             | -   | 50                |                               |
| Extra Large Samples (3 to 5 Bucket samples)                  | -   | 100               |                               |
| <b>Hourly Rates</b>  |   |                   |                               |
| Laboratory Technician Level I                                | Per Hour                                      | 55                |                               |
| Laboratory Technician Level II                               | Per Hour                                      | 60                |                               |
| Laboratory Technician Level III                              | Per Hour                                      | 75                |                               |
| Assistant Laboratory Manager                                 | Per Hour                                      | 85                |                               |
| Laboratory Manager   | Per Hour                                      | 235               |                               |

Add 15 percent for ash and/or gypsum samples (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).

Add 30 percent for contaminated samples (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).

Add 50 percent for hazardous materials (materials not used will be returned to clients, at their cost, at the end of the project for proper disposal).

Note 1: The test standard has been withdrawn and replaced with ASTM D 6913.

Note 2: The test standard has been withdrawn and replaced with ASTM D 7928.

Note 3: Including laboratory an estimate of coarse-fraction correction (when applicable).

Note 4: Specimen diameter 2.5", up to 8 loads (seating load, loads, unloads or reloads), maximum consolidation pressure of 32,000 psf and total test duration of 8 days.

Note 5: For other size samples contact the laboratory.

Note 6: Per point and total maximum test duration of 10 days from set up to end of shearing. Note, triaxial testing usually consists of three points.

Note 7: For maximum test duration of 7 days from set up to end of permeation. After 7 days, the daily monitoring cost will be applied.

Note 8: Tests results from ASTM D864, ASTM D2216 and ASTM D2937/D7263 are required for the calculation.



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China | Cullinan, South Africa

**Timothy Copeland**  
**GeoSyntec Consultants**

3504 Lake Lynda Drive  
 Ste. 155  
 Orlando FL 32817  
 United States

**Quote Date:** 1/31/2024  
**Valid Until:** 6/30/2024  
**Contact:** Sam Allen ; sallen@tri-env.com  
 512-263-2101  
**PO#:** None  
**WO#:**

**PROJECT:** Project: FL9363B **Quote No:** 04010742

**Prim.-Second. GCs**

|  | Test Method | Unit  | Cost/Unit | Extension        |
|--|-------------|-------|-----------|------------------|
| Transmissivity - Profiled, 100 hr, 2 loads, 1 gradient | ASTM D4716  | 20.00 | 850.00    | 17,000.00        |
| Peel, MD Only (F904)                                   | ASTM D7005  | 20.00 | 69.00     | 1,380.00         |
| Mass / Unit Area                                       | ASTM D5261  | 20.00 | 35.00     | 700.00           |
| Grab Tensile Properties                                | ASTM D4632  | 20.00 | 69.00     | 1,380.00         |
| CBR Puncture, 50 mm Probe                              | ASTM D6241  | 20.00 | 125.00    | 2,500.00         |
| AOS - Apparent Opening Size                            | ASTM D4751  | 20.00 | 125.00    | 2,500.00         |
| Permittivity - Permeability                            | ASTM D4491  | 20.00 | 115.00    | 2,300.00         |
| <b>Sub-total Prim.-Second. GCs (USD):</b>              |             |       |           | <b>27,760.00</b> |

**Prim.-Second.-Rain Flap GMs**

|   | Test Method | Unit  | Cost/Unit | Extension       |
|---|-------------|-------|-----------|-----------------|
| Density   | ASTM D1505  | 11.00 | 35.00     | 385.00          |
| Thickness (Textured)                                | ASTM D5994  | 11.00 | 28.00     | 308.00          |
| Tensile Properties, Index (D638)                    | ASTM D6693  | 11.00 | 69.00     | 759.00          |
| Carbon Black Content                                | ASTM D4218  | 11.00 | 45.00     | 495.00          |
| Carbon Black Dispersion                             | ASTM D5596  | 11.00 | 52.00     | 572.00          |
| <b>Sub-total Prim.-Second.-Rain Flap GMs (USD):</b> |             |       |           | <b>2,519.00</b> |

**GCL Testing**

|                                     | Test Method | Unit | Cost/Unit | Extension       |
|-------------------------------------|-------------|------|-----------|-----------------|
| Index Flux                          | ASTM D5887  | 5.00 | 259.00    | 1,295.00        |
| <b>Sub-total GCL Testing (USD):</b> |             |      |           | <b>1,295.00</b> |

**LCS-ToeDrain GTs**

|  | Test Method | Unit | Cost/Unit | Extension       |
|--|-------------|------|-----------|-----------------|
| Mass per. Area                           | ASTM D5261  | 2.00 | 35.00     | 70.00           |
| Grab Tensile Properties                  | ASTM D4632  | 2.00 | 69.00     | 138.00          |
| Trapezoidal Tear                         | ASTM D4533  | 2.00 | 65.00     | 130.00          |
| CBR Puncture, 50 mm Probe                | ASTM D6241  | 2.00 | 125.00    | 250.00          |
| AOS - Apparent Opening Size              | ASTM D4751  | 2.00 | 125.00    | 250.00          |
| Permittivity - Permeability              | ASTM D4491  | 2.00 | 115.00    | 230.00          |
| <b>Sub-total LCS-ToeDrain GTs (USD):</b> |             |      |           | <b>1,068.00</b> |

**In-plant Sampling**

|  | Test Method | Unit  | Cost/Unit | Extension       |
|--|-------------|-------|-----------|-----------------|
| In-plant Sampling, Sample Management - US Plants | -           | 38.00 | 86.00     | 3,268.00        |
|  |             |       |           | <b>3,268.00</b> |

**Interface Friction**

|                                | Test Method | Unit | Cost/Unit | Extension |
|--------------------------------|-------------|------|-----------|-----------|
| Internal Shear Strength of GCL | ASTM D6243  | 2.00 | 750.00    | 1,500.00  |

Continued...

TRI ENVIRONMENTAL, INC.



**TESTING, RESEARCH, CONSULTING AND FIELD SERVICES**  
 Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China | Cullinan, South Africa

**Timothy Copeland**  
**GeoSyntec Consultants**

3504 Lake Lynda Drive  
 Ste. 155  
 Orlando FL 32817  
 United States

**Quote Date:** 1/31/2024  
**Valid Until:** 6/30/2024  
**Contact:** Sam Allen ; sallen@tri-env.com  
 512-263-2101  
**PO#:** None  
**WO#:**

**PROJECT:** Project: FL9363B **Quote No:** 04010742

|   |   |             |                  |                  |
|---|---|-------------|------------------|------------------|
|   |   |             |                  | <b>1,500.00</b>  |
| <b>Interface Friction Testing</b>                   | <b>Test Method</b>                                  | <b>Unit</b> | <b>Cost/Unit</b> | <b>Extension</b> |
| Multi-Layered Interface Friction Test               | ASTM D6243  | 2.00        | 1,600.00         | 3,200.00         |
|   | <b>Sub-total Interface Friction Testing (USD):</b>  |             |                  | <b>3,200.00</b>  |
| <b>Project Management</b>                           | <b>Test Method</b>                                  | <b>Unit</b> | <b>Cost/Unit</b> | <b>Extension</b> |
| Project Management                                  | Z-PROJMGT   | 8.00        | 86.00            | 688.00           |
|   |   |             |                  | <b>688.00</b>    |
| <b>Prim.-Second.-Rain Flap GMs</b>                  | <b>Test Method</b>                                  | <b>Unit</b> | <b>Cost/Unit</b> | <b>Extension</b> |
| Peel and Shear - Seams                              | ASTM D6392  | 100.00      | 46.00            | 4,600.00         |
| Peel and Shear - Seams - SATURDAY                   | ASTM D6392  | 0.00        | 85.00            | 0.00             |
|   | <b>Sub-total Prim.-Second.-Rain Flap GMs (USD):</b> |             |                  | <b>4,600.00</b>  |
| <b>Shipping</b>                                     | <b>Test Method</b>                                  | <b>Unit</b> | <b>Cost/Unit</b> | <b>Extension</b> |
| Shipping - Estimate (Invoice based on actual costs) | -   | 1.00        | 7,000.00         | 7,000.00         |
|   |   |             |                  | <b>7,000.00</b>  |
|   | <b>Estimation of Testing Total (USD):</b>           |             |                  | <b>52,898.00</b> |

NOTE: In the process of in-plant sample and sample management, samples collected at the manufacturer are processed and then shipped to our laboratory via a shipping service. Typically this service is UPS or Fedex. It is our default policy to use our own TRI shipping accounts for this service and to invoice the costs incurred plus a management fee to the client. In recent times, with higher costs for fuel and labor, the shipping costs have been very high. TRI works diligently to cut down on the mass and volume of samples shipped by in-plant processing including the preparation of coupons from across the product roll width, eliminating the need for a full roll width and its mass to be shipped. While we endeavor to provide a best guess estimate of the shipping costs associated with a given scope of work and the associated number of samples involved, we never know exactly what these costs will be and advise all clients to plan for a budget with ample funds for this required service. Still, if a client wishes to provide for its own sample shipment using its own shipping accounts, TRI requests the client to provide this information and specific instructions to the manufacturer from which TRI secures the samples, and also to TRI.

Continued...

TRI ENVIRONMENTAL, INC.



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China | Cullinan, South Africa

## Master Service Agreement

**PROJECT:** Project: FL9363B

**Quote No:** 04010742

### Terms and Conditions

- 1. ACCEPTANCE:** This proposal may be accepted by signing a copy (or by submitting a signed written purchase order which incorporates the terms contained herein by reference to the quotation number) and returning same to Seller before the services start, or within 90 days from the date of this proposal, whichever is earlier. As a condition precedent, all sales are subject to the approval of Sellers Credit Department.
- 2. PRICES AND PAYMENT:** Net 30 Days unless otherwise agreed. INTEREST WILL BE CHARGED ON PAST DUE ACCOUNTS. INTEREST CHARGES WILL BE CALCULATED ON THE UNPAID BALANCE AT 1.25% PER MONTH (18% PER ANNUM) OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS.
- 3. REMEDIES UPON DEFAULT:** If Buyer cancels any or all of any portion of the contract after Seller has been provided samples with instructions to proceed, Buyer shall pay for all testing performed prior to cancellation. In the event that Buyer is more than thirty (30) days delinquent in payment of monies due Seller and it is necessary for Seller to employ the services of an attorney or collection agency to recover amount due Seller by Buyer, Buyer agrees to pay Seller all actual attorneys fees, out-of-pocket costs, travel expenses, investigation costs, court costs, judgment enforcement costs and any other incidental costs necessary to obtain payment.
- 4. LIMITATIONS:** Unless otherwise expressly specified, nothing contained in the reports of TRI Environmental, Inc. shall be deemed to imply that Seller conducts any quality control program for the Buyer to whom the report is issued. Although TRI Environmental, Inc. reports may form a part of Quality Control Program conducted by the buyer, TRI Environmental, Inc. reports apply only to the standards or procedures identified and to the sample(s) tested and/or inspections made. Unless otherwise specified, the test and/or inspection results are not represented by Seller to be indicative of the qualities of the lot from which the sample was taken or of apparently identical or similar products. To the extent permitted by law, the client agrees to limit TRI Environmental, Inc. liability for the clients damages to the dollar value of testing performed. This limitation shall apply regardless of the cause of action or legal theory applied or asserted. Turnaround times are typical not absolute.
- 5. EXCLUSIVITY:** TRI Environmental, Inc. reports are for the exclusive use of the Buyer to whom they are addressed. Any third party has a right to use only those reports that pertain to testing authorized by Buyer in writing and naming the third party(s). TRI Environmental, Inc. reports, the name TRI Environmental, Inc. , or its insignia are not to be used by or on behalf of Buyer under any circumstances in advertising to the general public or in any other manner without Sellers prior written approval. Buyer agrees to hold Seller harmless and to defend and indemnify Seller against any liability or damage arising out of any use by Buyer of the name, seal, insignia, reports, or letters of Seller. In the event Buyer refuses to so indemnify Seller, and it is necessary for Seller to institute legal proceedings to enforce the terms of this paragraph, then Buyer agrees to pay Seller all actual attorneys fees and costs necessary to enforce compliance.
- 6. EXCLUSION OF CONSEQUENTIAL, AND INCIDENTAL DAMAGES :** IT IS UNDERSTOOD THAT BUYER DOES NOT SEEK INDEMNITY FROM SELLER AGAINST ANY LOSSES OR DAMAGES. SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, RELATIVE TO THE SERVICES IT FURNISHES, AND BUYER AGREES THAT SELLER SHALL NOT BE LIABLE FOR THE PERFORMANCE OF THE PRODUCTS TESTED OR INSPECTED HEREUNDER.
- 7. WARRANTY:** Seller warrants that the services performed hereunder shall be performed in a professional manner consistent with that exercised in the geosynthetic industry at the time and place the work is done. SELLER MAKES NO OTHER WARRANTY EITHER EXPRESSED OR IMPLIED RELATIVE TO THE SERVICES IT FURNISHES.
- 8. SAMPLE RETAINS:** Samples not destroyed in testing are retained a maximum of 30 days and then discarded; however, upon prior written notice from Buyer to Seller, such samples can be shipped to Buyer on a collect basis or samples can be retained beyond 30 days at a monthly storage charge, billed in advance, for a designated period.
- 9. VENUE:** Buyer and Seller agree that in the event of any dispute arising out of this agreement, any competent Court located in Travis County, State of Texas, shall have sole and exclusive jurisdiction to settle such dispute. Wavier by Seller of a breach of any of the terms and conditions hereof shall not be construed as a waiver of any other breach. This agreement shall be governed under and by the laws of the State of Texas.

### Terms

1. The budget presented here is based on provided information and an understanding there of. If assumed testing procedures, sample quantities, or sampling labor hours change, additional costs may be applied using the unit fees presented. If non-represented items are required, TRIs fees for these specific items will be applied.
2. Payment: Net 30 Days
3. All results will be emailed

TRI retains ownership of all generated and reported test results until client invoice is paid, and reserves the right to restrict use of reported test results until client invoice is paid.

Please sign, date, and provide a PO number prior to initiating work

Signature/Date

PO Number

TRI Environmental looks forward to working with you on a very successful project

TRI ENVIRONMENTAL, INC.

9063 BEE CAVES RD., AUSTIN, TX 78733 – USA | PH: 800.880.TEST OR 512.263.2101 | [tri-environmental.com](http://tri-environmental.com)



**EARTH TECH  
DRILLING**  
Environmental / Geotechnical  
**954-974-2424**

2703 NW 19th Street, Pompano Beach, FL 33069

Monitoring Wells Sparge Wells Direct Push  
Geotechnical Drilling SONIC Drilling

|   |                |                                     |                 |                   |
|---|----------------|-------------------------------------|-----------------|-------------------|
|   |                | DATE                                | 1/3/2024        |                   |
| CLIENT: Geosyntec   | Joshua Udvardy | PHONE                               | (561) 922-1102  |                   |
| SITE: Indian River County Landfill - 1325 74th Ave SW - Vero Beach, FL  |                |                                     |                 |                   |
| PROPOSED SCOPE OF WORK: <b>Client to provide access to water source</b>   |                |                                     |                 |                   |
| <b>(Hand clear ALL locations to 5' or Refusal)</b>  |                |                                     |                 |                   |
| (4) MW 2" x 20' w/ 10' .010" Screen (20/30 Sand) - 4" AGP Completion w/ 4 Bollards - 1/2 Hr Well Development            |                |                                     |                 |                   |
| (4) MW 2" x 40' w/ 5' .010" Screen (20/30 Sand) - 4" AGP Completion w/ 4 Bollards - 1/2 Hr Well Development             |                |                                     |                 |                   |
| (1) PZ 2" x 15' w/ 10' .010" Screen (20/30 Sand) - 4" AGP Completion w/ 4 Bollards - 1/2 Hr Well Development            |                |                                     |                 |                   |
| Drum Soil - Discharge Water onsite  |                |                                     |                 |                   |
| Soil Cores on Intermediate Wells and PZ.  |                |                                     |                 |                   |
| <b>SONIC DRILL</b>  |                |                                     |                 |                   |
|   | Unit           | Unit Rate                           | Number of Units | Extended Price    |
| Sonic Daily Rate (Compact Track) Price Includes a ten hour work day ( 7 to 5 ) Unless otherwise stated in this quote.   |                |                                     |                 |                   |
| Sonic Daily Rate  | per day        | \$3,900.00                          | 3               | \$11,700.00       |
|   |                |                                     |                 | \$0.00            |
| 8" Sonic Sonic Casing   | per foot       | \$25.00                             | 0               | \$0.00            |
|   |                |                                     |                 | \$0.00            |
| Compact Track Loader / Water Support  | per day        | \$575.00                            | 3               | \$1,725.00        |
| <b>WELL MATERIALS</b>   |                |                                     |                 |                   |
| 1" PVC Well Material (includes all annular backfill)  | per foot       |                                     |                 | \$0.00            |
| 2" PVC Well Material (includes all annular backfill)  | per foot       | \$16.00                             | 255             | \$4,080.00        |
| 4" PVC Well Material (includes all annular backfill)  | per foot       |                                     |                 | \$0.00            |
| Bentonite Pellets (Estimated 6 buckets per location)  | bucket         |                                     |                 | \$0.00            |
|   |                |                                     |                 | \$0.00            |
| Well Completion (includes 30 min. development, bolt-down manhole, concrete pad(2'x2' or 10" circle) & lockable well cap |                |                                     |                 |                   |
| 8" Bolt-down completion   | per well       |                                     |                 | \$0.00            |
| 12" Bolt-down completion  | per well       |                                     |                 | \$0.00            |
| PVC Stickup Completion w/ Development   | per well       |                                     |                 | \$0.00            |
| 4" Above Grade Protector (Aluminum)   | per well       | \$310.00                            | 9               | \$2,790.00        |
| Bollard   | each           | \$125.00                            | 36              | \$4,500.00        |
| <b>MISCELLANEOUS</b>  |                |                                     |                 |                   |
| Mobilization (Sonic Drill with all associated equipment)  | roundtrip      | \$1,500.00                          | 1               | \$1,500.00        |
| Daily Mobilization (to and from site per day)   | per day        |                                     |                 | \$0.00            |
| Per Diem  | per night      | \$575.00                            | 2               | \$1,150.00        |
| Permits   | each           | \$110.00                            | 2               | \$220.00          |
| Borehole Abandonment  | per foot       | \$12.00                             | 0               | \$0.00            |
| Water Meter and usage   | lump sum       | \$1,200.00                          | 0               | \$0.00            |
| DOT Approved 55-gal Drum (As Needed)  | each           | \$80.00                             | 6               | \$480.00          |
|   |                |                                     |                 | \$0.00            |
| Additional Well Development   | 1/2 hour       | \$85.00                             | 0               | \$0.00            |
| Onsite Pre-Drill Meeting  | each           |                                     |                 | \$0.00            |
| Standby / Difficult Moving Time   | per hour       | \$550.00                            |                 | \$0.00            |
| Days to Complete Scope of Work  | 3              | Submitted By: <i>Charles Bucher</i> |                 | TOTAL QUOTE PRICE |
|   |                |                                     |                 | \$28,145.00       |

**ATTACHMENT B**  
**DETAILED BUDGET ESTIMATE**



Table 1

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 1: GENERAL CONSULTING/MEETING SUPPORT/PROJECT MANAGEMENT**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST     |
|---|----------|----------|----------|--------------------|
| <b>A. Professional Services</b>                   |          |          |          |                    |
| a. Senior Principal                               | Hr       | \$294.00 | 42       | \$12,348.00        |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00             |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00             |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00             |
| e. Professional                                   | Hr       | \$198.00 | 42       | \$8,316.00         |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 15       | \$2,670.00         |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00             |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$23,334.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                    |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 0        | \$0.00             |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00             |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00             |
| d. Senior Designer                                | Hr       | \$190.00 | 24       | \$4,560.00         |
| e. Designer                                       | Hr       | \$160.00 | 24       | \$3,840.00         |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00             |
| g. Project Administrator                          | Hr       | \$85.00  | 48       | \$4,080.00         |
| h. Clerical                                       | Hr       | \$65.00  | 84       | \$5,460.00         |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$17,940.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                    |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00             |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>      |
| <b>D. Direct Expenses</b>                         |          |          |          |                    |
| a. Lodging  | Day      | \$150.00 | 0        | \$0.00             |
| b. Per Diem                                       | Day      | \$55.00  | 0        | \$0.00             |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$41,274 | \$1,238.22         |
| d. CADD Computer System                           | Hr       | \$15.00  | 48       | \$720.00           |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 12       | \$1,800.00         |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 120      | \$10.80            |
| g. CADD Drawings                                  | Each     | \$3.00   | 12       | \$36.00            |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$3,805.02</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 1</b>           |          |          |          | <b>\$45,079.02</b> |

Table 2

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 2: PREPARATION OF IFC DOCUMENTS**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST    |
|---|----------|----------|----------|-------------------|
| <b>A. Professional Services</b>                   |          |          |          |                   |
| a. Senior Principal                               | Hr       | \$294.00 | 4        | \$1,176.00        |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00            |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00            |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00            |
| e. Professional                                   | Hr       | \$198.00 | 12       | \$2,376.00        |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 8        | \$1,424.00        |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00            |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$4,976.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                   |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 0        | \$0.00            |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00            |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00            |
| d. Senior Designer                                | Hr       | \$190.00 | 20       | \$3,800.00        |
| e. Designer                                       | Hr       | \$160.00 | 0        | \$0.00            |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00            |
| g. Project Administrator                          | Hr       | \$85.00  | 0        | \$0.00            |
| h. Clerical                                       | Hr       | \$65.00  | 0        | \$0.00            |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$3,800.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                   |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00            |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>     |
| <b>D. Direct Expenses</b>                         |          |          |          |                   |
| a. Lodging  | Day      | \$150.00 | 0        | \$0.00            |
| b. Per Diem                                       | Day      | \$55.00  | 0        | \$0.00            |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$8,776  | \$263.28          |
| d. CADD Computer System                           | Hr       | \$15.00  | 20       | \$300.00          |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 0        | \$0.00            |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 0        | \$0.00            |
| g. CADD Drawings                                  | Each     | \$3.00   | 200      | \$600.00          |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$1,163.28</b> |
| <b>TOTAL ESTIMATED BUDGET : PHASE 2</b>           |          |          |          | <b>\$9,939.28</b> |

**Table 3**

**BUDGET ESTIMATE  
 PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION  
 CLASS I LANDFILL - SEGMENT 3 EXPANSION  
 INDIAN RIVER COUNTY, FLORIDA**

**PHASE 3: QA/QC SERVICES**

| ITEM  | BASIS    | RATE        | QUANTITY  | ESTIMATED COST      |
|---|----------|-------------|-----------|---------------------|
| <b>A. Professional Services</b>                   |          |             |           |                     |
| a. Senior Principal                               | Hr       | \$294.00    | 34        | \$9,996.00          |
| b. Principal                                      | Hr       | \$274.00    | 0         | \$0.00              |
| c. Senior Professional                            | Hr       | \$254.00    | 0         | \$0.00              |
| d. Project Professional                           | Hr       | \$224.00    | 0         | \$0.00              |
| e. Professional                                   | Hr       | \$198.00    | 66        | \$13,068.00         |
| f. Senior Staff Professional                      | Hr       | \$178.00    | 52        | \$9,256.00          |
| g. Staff Professional                             | Hr       | \$154.00    | 0         | \$0.00              |
| <b>Subtotal Professional Services</b>             |          |             |           | <b>\$32,320.00</b>  |
| <b>B. Technical/Administrative Services</b>       |          |             |           |                     |
| a. Site Manager/Construction Manager              | Hr       | \$142.00    | 972       | \$138,024.00        |
| b. Senior Engineering Technician                  | Hr       | \$99.00     | 492       | \$48,708.00         |
| c. Engineering Technician                         | Hr       | \$83.00     | 0         | \$0.00              |
| d. Senior Designer                                | Hr       | \$190.00    | 0         | \$0.00              |
| e. Designer                                       | Hr       | \$160.00    | 8         | \$1,280.00          |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00    | 0         | \$0.00              |
| g. Project Administrator                          | Hr       | \$85.00     | 0         | \$0.00              |
| h. Clerical                                       | Hr       | \$65.00     | 32        | \$2,080.00          |
| <b>Subtotal Technical/Administrative Services</b> |          |             |           | <b>\$190,092.00</b> |
| <b>C. Indirect Expenses</b>                       |          |             |           |                     |
| a. Subcontractor Services - Peavey                | Each     | \$36,000.00 | 1.12      | \$40,320.00         |
| a. Subcontractor Services - Excel                 | Each     | \$20,525.00 | 1.12      | \$22,988.00         |
| a. Subcontractor Services - TRI                   | Each     | \$52,948.00 | 1.12      | \$59,301.76         |
| <b>Subcontractor Services</b>                     |          |             |           | <b>\$122,609.76</b> |
| <b>D. Direct Expenses</b>                         |          |             |           |                     |
| a. Lodging  | Day      | \$150.00    | 112       | \$16,800.00         |
| b. Per Diem                                       | Day      | \$55.00     | 56        | \$3,080.00          |
| c. Communications Fee                             | 3% Labor | \$0.03      | \$222,412 | \$6,672.36          |
| d. CADD Computer System                           | Hr       | \$15.00     | 8         | \$120.00            |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00    | 32        | \$4,800.00          |
| f. 8"x11" Photocopies                             | Each     | \$0.09      | 500       | \$45.00             |
| g. CADD Drawings                                  | Each     | \$3.00      | 100       | \$300.00            |
| <b>Subtotal Reimbursables</b>                     |          |             |           | <b>\$31,817.36</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 3</b>           |          |             |           | <b>\$376,839.12</b> |

Table 4

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 4: CONSTRUCTION MANAGEMENT**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST     |
|---|----------|----------|----------|--------------------|
| <b>A. Professional Services</b>                   |          |          |          |                    |
| a. Senior Principal                               | Hr       | \$294.00 | 60       | \$17,640.00        |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00             |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00             |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00             |
| e. Professional                                   | Hr       | \$198.00 | 30       | \$5,940.00         |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 30       | \$5,340.00         |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00             |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$28,920.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                    |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 144      | \$20,448.00        |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00             |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00             |
| d. Senior Designer                                | Hr       | \$190.00 | 40       | \$7,600.00         |
| e. Designer                                       | Hr       | \$160.00 | 0        | \$0.00             |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00             |
| g. Project Administrator                          | Hr       | \$85.00  | 8        | \$680.00           |
| h. Clerical                                       | Hr       | \$65.00  | 24       | \$1,560.00         |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$30,288.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                    |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00             |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>      |
| <b>D. Direct Expenses</b>                         |          |          |          |                    |
| a. Lodging  | Day      | \$150.00 | 0        | \$0.00             |
| b. Per Diem                                       | Day      | \$55.00  | 0        | \$0.00             |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$59,208 | \$1,776.24         |
| d. CADD Computer System                           | Hr       | \$15.00  | 40       | \$600.00           |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 30       | \$4,500.00         |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 200      | \$18.00            |
| g. CADD Drawings                                  | Each     | \$3.00   | 50       | \$150.00           |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$7,044.24</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 4</b>           |          |          |          | <b>\$66,252.24</b> |

Table 5

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 5: RESIDENT ENGINEERING AND CERTIFICATION SERVICES**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST     |
|---|----------|----------|----------|--------------------|
| <b>A. Professional Services</b>                   |          |          |          |                    |
| a. Senior Principal                               | Hr       | \$294.00 | 40       | \$11,760.00        |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00             |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00             |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00             |
| e. Professional                                   | Hr       | \$198.00 | 80       | \$15,840.00        |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 80       | \$14,240.00        |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00             |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$41,840.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                    |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 0        | \$0.00             |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00             |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00             |
| d. Senior Designer                                | Hr       | \$190.00 | 80       | \$15,200.00        |
| e. Designer                                       | Hr       | \$160.00 | 80       | \$12,800.00        |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00             |
| g. Project Administrator                          | Hr       | \$85.00  | 8        | \$680.00           |
| h. Clerical                                       | Hr       | \$65.00  | 48       | \$3,120.00         |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$31,800.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                    |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00             |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>      |
| <b>D. Direct Expenses</b>                         |          |          |          |                    |
| a. Lodging  | Day      | \$150.00 | 0        | \$0.00             |
| b. Per Diem                                       | Day      | \$55.00  | 0        | \$0.00             |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$73,640 | \$2,209.20         |
| d. CADD Computer System                           | Hr       | \$15.00  | 160      | \$2,400.00         |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 4        | \$600.00           |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 300      | \$27.00            |
| g. CADD Drawings                                  | Each     | \$3.00   | 400      | \$1,200.00         |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$6,436.20</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 5</b>           |          |          |          | <b>\$80,076.20</b> |

Table 6

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 6: INSTALLATION OF MONITORING WELLS**

| ITEM  | BASIS    | RATE        | QUANTITY | ESTIMATED COST     |
|---|----------|-------------|----------|--------------------|
| <b>A. Professional Services</b>                   |          |             |          |                    |
| a. Senior Principal                               | Hr       | \$294.00    | 1        | \$294.00           |
| b. Principal                                      | Hr       | \$274.00    | 0        | \$0.00             |
| c. Senior Professional                            | Hr       | \$254.00    | 2        | \$508.00           |
| d. Project Professional                           | Hr       | \$224.00    | 0        | \$0.00             |
| e. Professional                                   | Hr       | \$198.00    | 6        | \$1,188.00         |
| f. Senior Staff Professional                      | Hr       | \$178.00    | 45       | \$8,010.00         |
| g. Staff Professional                             | Hr       | \$154.00    | 0        | \$0.00             |
| <b>Subtotal Professional Services</b>             |          |             |          | <b>\$10,000.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |             |          |                    |
| a. Site Manager/Construction Manager              | Hr       | \$142.00    | 0        | \$0.00             |
| b. Senior Engineering Technician                  | Hr       | \$99.00     | 0        | \$0.00             |
| c. Engineering Technician                         | Hr       | \$83.00     | 0        | \$0.00             |
| d. Senior Designer                                | Hr       | \$190.00    | 4        | \$760.00           |
| e. Designer                                       | Hr       | \$160.00    | 0        | \$0.00             |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00    | 0        | \$0.00             |
| g. Project Administrator                          | Hr       | \$85.00     | 1        | \$85.00            |
| h. Clerical                                       | Hr       | \$65.00     | 1        | \$65.00            |
| <b>Subtotal Technical/Administrative Services</b> |          |             |          | <b>\$910.00</b>    |
| <b>C. Indirect Expenses</b>                       |          |             |          |                    |
| a. Subcontractor Services - Earth Tech            | Each     | \$28,145.00 | 1.12     | \$31,522.40        |
| <b>Subcontractor Services</b>                     |          |             |          | <b>\$31,522.40</b> |
| <b>D. Direct Expenses</b>                         |          |             |          |                    |
| a. Lodging  | Day      | \$150.00    | 3        | \$450.00           |
| b. Per Diem                                       | Day      | \$55.00     | 3        | \$165.00           |
| c. Communications Fee                             | 3% Labor | \$0.03      | \$10,910 | \$327.30           |
| d. CADD Computer System                           | Hr       | \$15.00     | 4        | \$60.00            |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00    | 4        | \$600.00           |
| f. 8"x11" Photocopies                             | Each     | \$0.09      | 0        | \$0.00             |
| g. CADD Drawings                                  | Each     | \$3.00      | 3        | \$9.00             |
| <b>Subtotal Reimbursables</b>                     |          |             |          | <b>\$1,611.30</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 6</b>           |          |             |          | <b>\$44,043.70</b> |

Table 7

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 7: FINANCIAL ASSURANCE COST ESTIMATE**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST    |
|---|----------|----------|----------|-------------------|
| <b>A. Professional Services</b>                   |          |          |          |                   |
| a. Senior Principal                               | Hr       | \$294.00 | 4        | \$1,176.00        |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00            |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00            |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00            |
| e. Professional                                   | Hr       | \$198.00 | 8        | \$1,584.00        |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 24       | \$4,272.00        |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00            |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$7,032.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                   |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 0        | \$0.00            |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00            |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00            |
| d. Senior Designer                                | Hr       | \$190.00 | 8        | \$1,520.00        |
| e. Designer                                       | Hr       | \$160.00 | 0        | \$0.00            |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00            |
| g. Project Administrator                          | Hr       | \$85.00  | 2        | \$170.00          |
| h. Clerical                                       | Hr       | \$65.00  | 0        | \$0.00            |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$1,690.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                   |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00            |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>     |
| <b>D. Direct Expenses</b>                         |          |          |          |                   |
| a. Lodging  | Day      | \$150.00 | 0        | \$0.00            |
| b. Per Diem                                       | Day      | \$55.00  | 0        | \$0.00            |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$8,722  | \$261.66          |
| d. CADD Computer System                           | Hr       | \$15.00  | 8        | \$120.00          |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 0        | \$0.00            |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 0        | \$0.00            |
| g. CADD Drawings                                  | Each     | \$3.00   | 0        | \$0.00            |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$381.66</b>   |
| <b>TOTAL ESTIMATED BUDGET : PHASE 7</b>           |          |          |          | <b>\$9,103.66</b> |

Table 8

**BUDGET ESTIMATE**  
**PHASE 2 - LINER INSTALLATION FOR CELL 3 CONSTRUCTION**  
**CLASS I LANDFILL - SEGMENT 3 EXPANSION**  
**INDIAN RIVER COUNTY, FLORIDA**

**PHASE 8: MISCELLANEOUS ENGINEERING SUPPORT SERVICES**

| ITEM  | BASIS    | RATE     | QUANTITY | ESTIMATED COST     |
|---|----------|----------|----------|--------------------|
| <b>A. Professional Services</b>                   |          |          |          |                    |
| a. Senior Principal                               | Hr       | \$294.00 | 16       | \$4,704.00         |
| b. Principal                                      | Hr       | \$274.00 | 0        | \$0.00             |
| c. Senior Professional                            | Hr       | \$254.00 | 0        | \$0.00             |
| d. Project Professional                           | Hr       | \$224.00 | 0        | \$0.00             |
| e. Professional                                   | Hr       | \$198.00 | 60       | \$11,880.00        |
| f. Senior Staff Professional                      | Hr       | \$178.00 | 30       | \$5,340.00         |
| g. Staff Professional                             | Hr       | \$154.00 | 0        | \$0.00             |
| <b>Subtotal Professional Services</b>             |          |          |          | <b>\$21,924.00</b> |
| <b>B. Technical/Administrative Services</b>       |          |          |          |                    |
| a. Site Manager/Construction Manager              | Hr       | \$142.00 | 0        | \$0.00             |
| b. Senior Engineering Technician                  | Hr       | \$99.00  | 0        | \$0.00             |
| c. Engineering Technician                         | Hr       | \$83.00  | 0        | \$0.00             |
| d. Senior Designer                                | Hr       | \$190.00 | 40       | \$7,600.00         |
| e. Designer                                       | Hr       | \$160.00 | 20       | \$3,200.00         |
| f. Senior Drafter/Senior CADD Operator            | Hr       | \$145.00 | 0        | \$0.00             |
| g. Project Administrator                          | Hr       | \$85.00  | 0        | \$0.00             |
| h. Clerical                                       | Hr       | \$65.00  | 6        | \$390.00           |
| <b>Subtotal Technical/Administrative Services</b> |          |          |          | <b>\$11,190.00</b> |
| <b>C. Indirect Expenses</b>                       |          |          |          |                    |
| a. Subcontractor Services                         | Each     | \$0.00   | 1.12     | \$0.00             |
| <b>Subcontractor Services</b>                     |          |          |          | <b>\$0.00</b>      |
| <b>D. Direct Expenses</b>                         |          |          |          |                    |
| a. Lodging  | Day      | \$150.00 | 2        | \$300.00           |
| b. Per Diem                                       | Day      | \$55.00  | 2        | \$110.00           |
| c. Communications Fee                             | 3% Labor | \$0.03   | \$33,114 | \$993.42           |
| d. CADD Computer System                           | Hr       | \$15.00  | 60       | \$900.00           |
| e. Vehicle Rental & Fuel                          | Day      | \$150.00 | 2        | \$300.00           |
| f. 8"x11" Photocopies                             | Each     | \$0.09   | 50       | \$4.50             |
| g. CADD Drawings                                  | Each     | \$3.00   | 30       | \$90.00            |
| <b>Subtotal Reimbursables</b>                     |          |          |          | <b>\$2,697.92</b>  |
| <b>TOTAL ESTIMATED BUDGET : PHASE 8</b>           |          |          |          | <b>\$35,811.92</b> |