



BOARD OF COUNTY COMMISSIONERS

DATE: August 18, 2015

AGENDA ITEM NO. 24

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

 **County Administrator's Signature:**

Subject:

Approval of Ranking and Negotiated Agreement - Side Slope Closure at Bridgeway Acres West Landfill - Professional Consulting Services
Contract No.: 145-0113-NC (SS)

Department:

Engineering and Technical Support / Purchasing

Staff Member Responsible:

Kevin Becotte, Director / Joe Lauro, Director

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS (BOARD) APPROVE THE RANKING OF FIRMS AND NEGOTIATED AGREEMENT WITH STEARNS, CONRAD AND SCHMIDT CONSULTING ENGINEERS, INC. (SCS), TAMPA, FLORIDA, FOR THE SIDE SLOPE CLOSURE PROJECT AT BRIDGEWAY ACRES WEST LANDFILL.

IT IS FURTHER RECOMMENDED THE CHAIRMAN SIGN THE AGREEMENT AND THE CLERK ATTEST.

Summary Explanation/Background:

The final negotiated agreement includes the lump sum fee of \$705,200.00 with a not to exceed amount of \$5,000.00 for reimbursable services, such as but not limited to; permitting, aerial photography and land survey services; and \$30,000.00 for contingency services. The final negotiated fee is based on a rate structure that is fully burdened including all labor, overhead, expenses, profit and travel within the Tampa Bay Metropolitan Statistical area. Travel outside of the area will be reimbursed in accordance with Section 112.061 of Florida Statutes. The contract term is for twenty-one (21) consecutive calendar months from the commencement date as expressed on the notice to proceed.

On March 24, 2015, in accordance with the Consultant Competitive Negotiation Act, the Purchasing Department, on behalf of the Engineering and Technical Support Department, released a Request for Proposal for the purpose of hiring a consulting engineering firm to perform construction observation and material testing services required for the closure of the side slopes at the Bridgeway Acres West Landfill.

The ranking of firms was completed May 29, 2015 and the negotiation and scoping process was concluded in July, 2015. The firms in order of final ranking are attached on the Ranking Tabulation Sheet.

Fiscal Impact/Cost/Revenue Summary:

Basic services	\$670,200.00
Reimbursable services	\$ 5,000.00
Contingency	\$ 30,000.00

Estimated twenty-one (21) month expenditure not to exceed: \$705,200.00

Funding is derived from the Solid Waste Enterprise Fund

Exhibits/Attachments:

Contract Review
Agreement
Ranking Spreadsheet



**PURCHASING DEPARTMENT
CONTRACT REVIEW TRANSMITTAL**

CATS
NO.:
46329

PROJECT: Side Slope Closure at Bridgeway Acres West Landfill - Professional Consulting Services to perform construction observation and material testing services

BID NUMBER: 145-0113-NC (SS)

TYPE: ☐ Purchase Contract ☒ Other: CCNA ☐ Construction-Less than \$100,000 ☐ One Time

In accordance with the policy guide for Contract Administration, the attached documents are submitted for review and comment.

Upon completion of review, complete Contract Review Transmittal and forward to next Review Authority listed. Please indicate suggested changes by revising, in RED, the appropriate section of the document reflecting the exact wording of the change.

RISK MANAGEMENT: Please enter required liability coverage on pages 15-19

PRODUCT ONLY ☐

This is a CCNA contract. Estimated Expenditure: \$912,000

REVIEW SEQUENCE	REVIEW AUTHORITY	REVIEW DATE	REVIEW SIGNATURE	COMMENTS (Please Enter any, Page if necessary)	COMMENTS INCORPORATED
1.	Purchasing Dept. J. Lauro, Director C. Mancuso, Ass't. Director S. Steele	12/30/15	[Signature]		
2.	Utilities Kevin Becotte, Director Dave Slonena, Project Mgr Merry Celeste	1/8/15 1/7/15 1/7/15	[Signature] DLS TS for MC	pg 23 Task 3, Sample Agreement Insurance (pg 18/19)	[S]

Using Dept please provide below information:

A. ☐ Yes, funding for this project is using grant funding. ☒ No, funding for this project is not using grant funding.
If grant funding is being used you must provide Purchasing with the exact clauses that need to be on attached document.

B. Initial and Date Funding is available for this project.
Provide title of funding source Solid Waste Enterprise Fund

C. Please check attached vendor list. Circle vendors you want bids mailed to. Add additional vendors with complete information (Name, Address, Phone and Email)

CHS 2-3-15 CHS 6-10-15	Risk Management Director Attn: Virginia E. Holscher (Check applicable box at right)	2/3/15	VEN	See changes p 15-19, (SS)	HIGH RISK NOT HIGH RISK
	BCC Finance Attn: Cassandra Williams	1/15/15	CBW		
	Legal Attn: Miles Belknap	2/3/15	M3	will review Rev. old Agreement per Dept notes	[S]
	Asst. County Administrator David Scott	1/10/15	[Signature]	2/4/15 - Reviewed revised agreement; OK	
	Paul Sacco	2/5/15	[Signature]		

RETURN ALL DOCUMENTS TO PURCHASING

Make all inquiries to: Sue Steele at Extension 44776

In order to meet the following schedule, please return your requirements to Purchasing by: 01/8/15

TENTATIVE DATES

Advertisement: Opening: TBD

Cut along the outer border and affix this label to your sealed proposal envelope to identify it as a "Sealed Proposal". Be sure to include the name of the company submitting the proposal where requested.

SEALED PROPOSAL • DO NOT OPEN

SEALED PROPOSAL NO.: 145-0113-NC (SS)

PROPOSAL TITLE : **Side Slope Closure at Bridgeway Acres
West Landfill - Professional Consulting
Services**

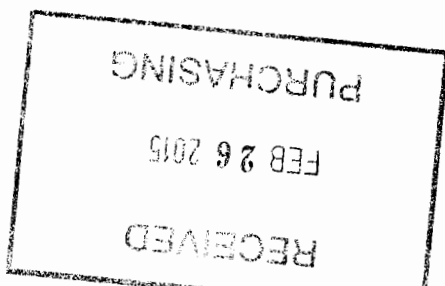
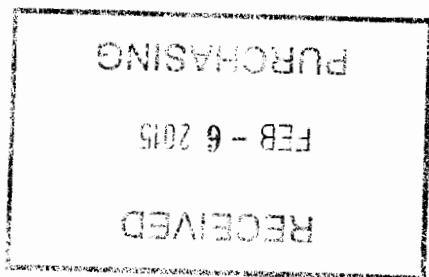
DUE DATE/TIME: @ 3:00 p.m.

SUBMITTED BY: _____
(Name of Company)

DELIVER TO: PURCHASING DEPARTMENT
Board of County Commissioners
Annex Building -6th Floor
400 South Fort Harrison Avenue
Clearwater, FL 33756

Please Note:

From time to time, addenda may be issued to this proposal. Any such addenda will be posted on the same Web site, <http://www.pinellascounty.org/purchase/CCNA.htm>, from which you obtained this proposal. Before submitting your proposal you should check our Web site to download any addenda that may have been issued. Please remember to sign and return Addenda Acknowledgement Form with completed proposal package if applicable.



PROFESSIONAL SERVICES NON-CONTINUING SERVICES AGREEMENT

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**SECTION 1
INTENT OF AGREEMENT**

**AGREEMENT FOR PROFESSIONAL ENGINEERING AND MATERIAL TESTING SERVICES
FOR**

Side Slope Closure at Bridgeway Acres West Landfill – Professional Consulting Services

THIS AGREEMENT, entered into on the ____ day of _____, 20____, between PINELLAS COUNTY, a political subdivision of the State of Florida, hereinafter referred to as the COUNTY, represented by its Board of County Commissioners, and Stearns, Conrad and Schmidt, Consulting Engineers, Inc., with offices in Tampa, Florida, hereinafter referred to as the CONSULTANT.

WITNESSETH, That:

WHEREAS, the COUNTY intends to construct a final closure system for the side slopes of the Bridgeway Acres West Landfill the aforementioned improvements being hereinafter referred to as the PROJECT; and

WHEREAS, the COUNTY desires the CONSULTANT provide PROFESSIONAL ENGINEERING AND MATERIAL TESTING SERVICES requisite to the construction of the PROJECT; and

WHEREAS, the CONSULTANT has expressed the willingness and ability to provide the aforementioned Services; and

NOW THEREFORE, the COUNTY and the CONSULTANT, in consideration of the mutual covenants hereinafter set forth, agree as follows:

SECTION 2 SCOPE OF PROJECT

2.1 PROJECT DESCRIPTION AND PROFESSIONAL REQUIREMENTS

For the purposes of this Agreement the term PROJECT shall include all areas of proposed improvements, all areas that may reasonably be judged to have an impact on the PROJECT, and all PROJECT services and activities attendant thereto. It is not the intent of this Agreement to identify the exact limits or details involved in providing satisfactorily completed PROJECT construction documents. The CONSULTANT shall provide the following professional services. The PROJECT shall be based on the following data:

The primary scope of engineering and material testing services includes Project Management, Construction Observation Services, Material and Laboratory Testing Services, and Construction Contract Administration for the final cover system for the side slopes at Bridgeway Acres West Landfill. In addition, a sanitary sewer forcemain will be relocated during the PROJECT.

a) Required Deliverables

- Monthly Reports
- Project Logs
- Photographs
- Material Testing Reports
- Digital Files
- Daily Reports

2.2 PROJECT TASKS

The CONSULTANT will complete the PROJECT in four (4) Tasks as described below. Specific services to be provided are described in Section 3.

- Task 1 – Project Management
- Task 2 – Construction Observation Services
- Task 3 – Material and Laboratory Testing Services
- Task 4 – Construction Contract Administration

2.3 CONSULTING RESPONSIBILITIES

- A. The CONSULTANT shall be responsible for the accuracy of the work and shall promptly correct its errors and omissions without additional compensation. Acceptance of the work by the COUNTY will not relieve the CONSULTANT of the responsibility for subsequent correction of any errors and the clarification of any ambiguities.
- B. The CONSULTANT represents that it has secured or will secure, at its own expense, all personnel necessary to complete this Agreement; none of whom shall be employees of or have any contractual relationship with the COUNTY. Primary liaison with the COUNTY will be through the CONSULTANT'S Project Manager. All of the services required hereunder will be performed by the CONSULTANT or under the CONSULTANT'S supervision, and all personnel engaged in the work shall be fully qualified and shall be authorized or permitted under law to perform such services.
- C. The CONSULTANT or material testing laboratory shall endorse all applicable reports and calculations. Services shall be prepared under the direction of an engineer registered in the State of Florida and qualified in the required discipline. Products or services performed or checked shall be signed and sealed by the CONSULTANT'S Florida registered engineer.

- D. The CONSULTANT shall be responsible for the preparation of a PROJECT schedule, which shows a breakdown of all tasks to be performed, and their relationship in achieving the completion of each phase of work. A bar chart schedule showing overall PROJECT time frames should also be prepared. These schedules must be submitted for COUNTY approval within ten (10) days of the initial PROJECT Notice to Proceed. These schedules will be used to verify CONSULTANT performance in relationship to Fees claimed and to allow the COUNTY'S Project Manager to monitor the CONSULTANT'S efforts. The CONSULTANT shall be responsible for any updates to these schedules and for documenting in writing to the COUNTY any major deviations in the actual versus estimated PROJECT time frames.
- E. The CONSULTANT shall respond, in writing, to all review comments made by the COUNTY, and shall incorporate appropriate adjustments into the PROJECT, in a timely manner, resulting from the review exchange.

2.4 GOVERNING SPECIFICATIONS REGULATIONS AND PERTINENT DOCUMENTS

The CONSULTANT shall be responsible for utilizing and maintaining current knowledge of any laws, ordinances, codes, rules, regulations, standards, guidelines, special conditions, specifications, or other mandates relevant to the PROJECT or the services to be performed.

SECTION 3 SERVICES TO BE FURNISHED BY THE CONSULTANT

3.1 BIDDING PHASE: NOT APPLICABLE

3.2 CONSTRUCTION PHASE – See Scope of Services (ATTACHMENT 1)

All contact and/or communication from the CONSULTANT to the Contractor shall be coordinated with the knowledge of the COUNTY.

A. Construction Consultation Services

1. Maintenance of master file of responsible submittals and material testing reports with duplicate for COUNTY.
2. Full-Time Construction Field Observation Services for an eighteen (18) month period to determine if the work is proceeding in accordance with the Contract Documents and prepare related reports and communications. Provide daily written report. This field observation requirement shall include any subconsultants or material testing requirements at appropriate construction points.
3. Review for comment any and all proposal requests, supplemental drawings and information and change orders.
4. Review for correctness Contractors pay requests for the COUNTY.
5. Review, upon notice by the Contractor that work is ready for final inspection and acceptance.
6. Notify the COUNTY of any deficiencies found in follow-up reviews.
7. The Contractor shall have prime responsibility in the warranty period for all services herein. The CONSULTANT shall assist, consult, observe review and document as noted.

B. Full-Time Construction Contracts Administration Services

1. The CONSULTANT shall provide full construction contract administration services with the following staff positions:
 - a. Construction Administrator;
 - b. One Construction Inspector;
 - c. Secretary and/or Clerk.
2. The CONSULTANT, as representative of the COUNTY during construction, shall advise and consult with the COUNTY and all of the COUNTY'S instructions to the Contractor shall be issued through the CONSULTANT or Engineer of Record (EOR). Through continuous on-site observations of the work in progress and field checks of materials and equipment the CONSULTANT shall endeavor to provide protection for the COUNTY against defects and deficiencies in the work of the Contractor.
3. Based on such observations at the site and on the Contractor's Application For Payment, the CONSULTANT shall determine the amount owing to the Contractor and shall prepare Pay Requests for such amounts. The issuance of Pay Requests shall constitute a representation by the CONSULTANT to the COUNTY that the Work has progressed to the point indicated; that to the best of the CONSULTANT'S knowledge, information and belief, the quality of the Work is in accordance with the Construction Contract Documents subject to minor deviations from the Construction Contract Documents correctable prior to completion, and to any specific qualifications stated in the Pay Request, and that the Contractor is entitled to payment in the amount certified. The CONSULTANT shall review claims for extra compensation, or extensions of time from the Contractor, make recommendations to the COUNTY concerning validity, and prepare responses for the COUNTY.
4. The CONSULTANT shall be, in the first instance, the interpreter of the requirements of the Construction Contract Documents in coordination with the EOR. The CONSULTANT shall render opinions on all claims of the COUNTY or Contractor relating to the execution and progress of the Work and on all other matters or questions related thereto
5. The CONSULTANT shall have authority to reject Work, which does not conform to the Construction Contract Documents. Whenever, in his reasonable opinion, he considers it necessary or advisable to insure the proper implementation of the intent of the Construction Contract Documents, he will have authority to require special inspection or testing of any Work in accordance with the provisions of the Construction Contract Documents whether or not such Work be then fabricated, installed or completed.
6. The CONSULTANT shall:
 - a. Review the progress schedule, schedule of material testing and schedule of values prepared by the Contractor and consult with the COUNTY concerning acceptability; and
 - b. Attend meetings with Contractor and EOR, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings.

7. The CONSULTANT shall:

- a. Maintain at the job site orderly files for correspondence, reports of job conferences, Shop Drawings and samples, reproductions of original Contract Documents including all Work Directive Changes, Addenda, Change Orders, and Field Orders, additional Drawings issued subsequent to the execution of the Contract. Clarifications and interpretations of the Contract Documents, progress reports, and other PROJECT related documents;
- b. Keep a diary or log book, recording Contractor hours on the job site, weather conditions, data relative to questions of Work Directive Changes, Change Orders or changed conditions, list of job site visitors, list of job site equipment, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures, and send copies to the COUNTY and EOR;
- c. Record names, addresses and telephone numbers of all Contractors, subcontractors and major suppliers of materials and equipment;
- d. Furnish the COUNTY no less than monthly reports of progress of the Work and of Contractor's compliance with the progress schedule and schedule of material testing.
- e. Report immediately to the COUNTY upon occurrence of any accident;
- f. Verify tests, observe, record and report to the COUNTY appropriate details relative to the test procedures and startups;
- g. Accompany visiting inspectors representing public or other agencies having jurisdiction over the PROJECT, and record the results of these inspections; and
- h. During the course of the Work, verify that certificates, and other data required to be assembled and furnished by the Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have this material delivered to the COUNTY prior to final payment for the Work.

8. The CONSULTANT shall before the issuance of a Certificate of Substantial Completion:

- a. Submit to the Contractor a list of observed items requiring completion or correction;
- b. Conduct final inspection in the company of the COUNTY, EOR and Contractor and prepare a final list of items to be completed or corrected, and
- c. Observe that all items on the final list have been completed or corrected and make recommendations to the COUNTY concerning acceptance.

C. The CONSULTANT shall not:

1. Authorize any deviation from the Contract Documents or substitution of materials or equipment, unless authorized by the COUNTY or EOR;
2. Undertake any of the responsibilities of the Contractor, subcontractor or Contractor's superintendent;
3. Advise on, issue directions relative to or assume control over any aspect of the means, methods, techniques, sequences or procedures of construction unless such advice or directions are specifically required by the Contract Documents;
4. Advise on, issue directions regarding or assume control over safety precautions and programs in connection with the Work; and
5. Accept Shop Drawing or sample submittals from anyone other than the Contractor.

3.3 PROVISIONS RELATED TO ALL PHASES

3.3.1 The CONSULTANT will investigate and confirm in writing to the COUNTY, to the best of the CONSULTANT'S knowledge, conformance with all applicable local public and utility regulations.

3.3.2 The CONSULTANT will coordinate work designed by various disciplines.

3.3.3 The COUNTY in no way obligates itself to check the CONSULTANT'S work and further is not responsible for maintaining project schedules.

SECTION 4 SERVICES TO BE FURNISHED BY THE COUNTY

4.1 The COUNTY shall provide the following for the CONSULTANT'S use and guidance:

- A. Copies of existing maps, existing aerial photographs, as-built construction plans and data pertinent to the PROJECT design, which the COUNTY may have in its possession.
- B. Reproducibles of the COUNTY Engineering Department Standard Drawings applicable to the PROJECT.
- C. Copies of conformed plans and specifications for the PROJECT.

SECTION 5 PRESENTATIONS, PUBLIC MEETINGS AND TECHNICAL LIAISON

The following services shall be provided at no additional cost to the COUNTY:

5.1 Prior to the commencement of construction observation activities, the COUNTY will conduct with the CONSULTANT a preliminary conference for the purpose of discussing issues relative to the PROJECT, coordination with EOR and submittal procedures and to convey to the CONSULTANT such items provided for under Section 4 as may be required and available at that time.

5.2 The CONSULTANT shall make presentations to the COUNTY'S Director of Engineering and Technical Support or designee as often as reasonably requested and at any point in the PROJECT development should issues arise which make additional presentations other than those listed elsewhere in this Agreement, in the COUNTY'S best interest.

5.3 The CONSULTANT shall participate in Monthly PROJECT Conferences with COUNTY staff personnel. The meetings will be scheduled by the COUNTY at a location provided by the COUNTY.

5.5 The CONSULTANT shall keep accurate minutes of CONSULTANT'S meetings with COUNTY and distribute copies to all attending. These meetings shall be set up through the COUNTY and appropriate COUNTY staff shall attend. The EOR will be responsible for keeping accurate minutes of construction progress meetings.

SECTION 6 PAYMENT GUIDELINES AND CATEGORY OF SERVICES

6.1 BASIC SERVICES

The services described and provided for under Sections 2, 3 and 4 shall constitute the Basic Services to be performed by the CONSULTANT under this Agreement.

6.2 CONTINGENCY SERVICES

When authorized in writing by the COUNTY'S Director of Engineering and Technical Support or designee, the CONSULTANT shall furnish services resulting from unforeseen circumstances not anticipated under Basic Services due to minor changes in the PROJECT scope.

Compensation for any Contingency Services assignments shall be negotiated between the COUNTY and the CONSULTANT at the time the need for services becomes known.

6.3 ADDITIONAL SERVICES

When executed by the County Administrator or Board of County Commissioners as an amendment to this Agreement, the CONSULTANT shall provide such additional services as may become necessary because of changes in the Scope of PROJECT. Additional Services shall be classified as any change beyond the Contingency Services upset limit for compensation.

6.4 INVOICING

The CONSULTANT may submit invoices for fees earned on a monthly basis. Such invoicing shall be supported by a Progress Report showing the actual tasks performed and their relationship to the percentage of fee claimed for each phase. Billings within each phase of work shall be for the percentage of work effort completed to date for that phase. The COUNTY shall make payments to the CONSULTANT for work performed in accordance with the Local Government Prompt Payment Act, Section 218.70 et. seq., F.S.

The following services shall be considered reimbursable services and may be filled in full upon their completion and acceptance. The CONSULTANT shall provide copies of supporting receipts/invoices/billing documentation. Self-performed reimbursable work shall be reimbursed at the firm's standard hourly rates for all related services. A breakdown of man hours and billing rates shall be provided with each invoice. An hourly rate sheet is attached (Exhibit A). There shall be no mark up percentage for subcontractors.

- A. Contamination Assessments/Hazardous Material Analysis (if required).
- B. Aerial Photography (if required).
- C. Payment of Permit Fees (if required).
- D. Land survey services

E. Other specialty subconsultants needed for ancillary work that may be required during the term of the contract and preapproved by the Director of Engineering and Technical Support as long as it is within the approved contract amount.

Should an invoiced amount for fees earned appear to exceed the work effort believed to be completed, the COUNTY may, prior to processing of the invoice for payment, require the CONSULTANT to submit satisfactory evidence to support the invoice.

All progress reports shall be mailed to the attention of the designated Project Manager. The progress report shall include a written narrative describing the work performed that period and the work planned to be completed the following period.

CONSULTANT shall submit invoices for payment due as provided herein with such documentation as required by Pinellas County and all payments shall be made in accordance with the requirements of Section 218.70 *et. seq.*, Florida Statutes, "The Local Government Prompt Payment Act." Invoices shall be submitted to the address below unless instructed otherwise on the purchase order, or if no purchase order, by the ordering department:

Finance Division Accounts Payable
Pinellas County Board of County Commissioners
P. O. Box 2438
Clearwater, FL 33757

Each invoice shall include, at a minimum, the CONSULTANT name, contact information and the standard purchase order number. The County may dispute any payments invoiced by CONSULTANT in accordance with the County's Dispute Resolution Process for Invoiced Payments, established in accordance with Section 218.76, Florida Statutes, and any such disputes shall be resolved in accordance with the County's Dispute Resolution Process

Fees for contingent or additional services authorized shall be invoiced separately, and shall be due and payable in full upon the presentation of satisfactory evidence that the corresponding services have been performed.

SECTION 7 COMPENSATION TO THE CONSULTANT

7.1 For the BASIC SERVICES provided for in this Agreement, as defined in Section 3, the COUNTY agrees to pay the CONSULTANT as follows:

A Lump Sum Fee of: Seventy Seven Thousand Two Hundred Ninety and 00/100 Dollars (\$77,290.00) for the Project Management - Task 1 of the PROJECT.

A Lump Sum Fee of: Four Hundred Thirteen Thousand and Fifty and 00/100 Dollars (\$413,050.00) for the Construction Observation Services – Task 2 of the PROJECT.

Unit Based
Reimbursable of: One Hundred Thousand and 00/100 Dollars (\$100,000.00) for the Material and Laboratory Testing Services – Task 3 of the PROJECT.

A Lump Sum Fee of: Seventy Nine Thousand and Eight Hundred Sixty and 00/100 Dollars (\$79,860.00) for the Construction Contract Administration – Task 4 of the PROJECT.

For the services provided, compensation shall be on a fully burdened hourly rate basis. The hourly rates are fully loaded and includes all labor, overhead, customary expenses such as copies, postage, and profit of any nature including travel within the Tampa Bay Metropolitan Statistical area. Travel outside that area will be reimbursed in accordance with Section 112.061 F.S. Compensation shall be for the actual work performed in accordance with the schedule rate value attached to this agreement and incorporated herein as Exhibit A.

The above fees shall constitute the total not to exceed amount of Six Hundred Seventy Thousand Two Hundred and 00/100 Dollars (\$670,200.00) to the CONSULTANT for the performance of the Basic Services.

7.2 For Basic reimbursable services as listed in Section 6.4, the COUNTY agrees to reimburse the CONSULTANT for actual costs up to an amount not to exceed Five Thousand and 00/100 Dollars (\$5,000.00).

7.3 For any CONTINGENCY SERVICES performed, the COUNTY agrees to pay the CONSULTANT, a negotiated fee based on the assignment, up to a maximum amount not to exceed Thirty Thousand and 00/100 Dollars (\$30,000.00) for all assignments performed.

7.4 Total agreement amount Seven Hundred Five Thousand and Two Hundred and 00/100 Dollars (\$705,200.00).

7.6 For any ADDITIONAL SERVICES, the COUNTY agrees to pay the CONSULTANT a negotiated total fee based on the work to be performed as detailed by a written amendment to this Agreement.

7.7 In the event that this Agreement is terminated under the provisions of this contract the total and complete compensation due the CONSULTANT shall be as established by the COUNTY based on the COUNTY'S determination of the percentage of work effort completed to date of termination.

SECTION 8 PERFORMANCE SCHEDULE

Time is of the essence in this Agreement. The CONSULTANT shall plan and execute the performance of all services provided for in this Agreement in such manner as to ensure their proper and timely completion in accordance with the following schedule:

8.1 The services to be rendered by the CONSULTANT shall be commenced upon receipt from the COUNTY of written "NOTICE TO PROCEED."

8.2 The performance schedule will be dependent on the Contractor selected for the side slope closure project. The construction schedule will be for 18 months.

SECTION 9 AUTHORIZATION FOR CONTINGENT OR ADDITIONAL SERVICES

9.1 The CONTINGENCY services provided for under this Agreement shall be performed only upon prior written authorization from the Director of Engineering and Technical Support or designee.

9.2 The ADDITIONAL services provided for under this Agreement shall be performed only upon approval of the County Administrator or Board of County Commissioners.

9.3 The CONSULTANT shall perform no services contemplated to merit compensation beyond that provided for in this Agreement unless such services, and compensation therefore, shall be provided for by appropriate written authorization or amendment(s) to this Agreement.

SECTION 10 FIRMS AND INDIVIDUALS PROVIDING SUBCONSULTING SERVICES

The COUNTY reserves the right to review the qualifications of any and all subconsultants, and to reject any subconsultant in a proper and timely manner, deemed not qualified to perform the services for which it shall have been engaged.

SECTION 11 SATISFACTORY PERFORMANCE

All services to be provided by the CONSULTANT under the provisions of this Agreement, including services to be provided by subcontractors, shall be performed to the reasonable satisfaction of the COUNTY'S Director of Engineering and Technical Support or designee.

SECTION 12 RESOLUTION OF DISAGREEMENTS

12.1 The COUNTY shall reasonably decide all questions and disputes, of any nature whatsoever, that may arise in the execution and fulfillment of the services provided for under this Agreement.

12.2 The decision of the COUNTY upon all claims, questions, disputes and conflicts shall be final and conclusive, and shall be binding upon all parties to this Agreement, subject to judicial review.

SECTION 13 CONSULTANT'S ACCOUNTING RECORDS

13.1 Records of expenses pertaining to all services performed shall be kept in accordance with generally accepted accounting principles and procedures.

13.2 The CONSULTANT'S records shall be open to inspection and subject to examination, audit, and/or reproduction during normal working hours by the COUNTY'S agent or authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the CONSULTANT or any of his payees pursuant to the execution of the Agreement. These records shall include, but not be limited to, accounting records, written policies and procedures, subcontractor files (including proposals of successful and unsuccessful bidders), original estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this Agreement. They shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this Agreement. The COUNTY shall not audit payroll and expense records on task assignments paid by lump sum fee.

13.3 For the purpose of such audits, inspections, examinations and evaluations, the COUNTY'S agent or authorized representative shall have access to said records from the effective date of the Agreement, for the duration of work, and until three (3) years after the date of final payment by the COUNTY to the CONSULTANT pursuant to this Agreement.

13.4 The COUNTY'S agent or authorized representative shall have access to the CONSULTANT'S facilities and all necessary records in order to conduct audits in compliance with this Section. The COUNTY'S agent or authorized representative shall give the CONSULTANT reasonable advance notice of intended inspections, examinations, and/or audits.

SECTION 14 OWNERSHIP OF PROJECT DOCUMENTS

Upon completion or termination of this Agreement, all records, documents, tracings, plans, specifications, maps, evaluations, reports and other technical data, other than working papers, prepared or developed by the CONSULTANT under this Agreement shall be delivered to and become the property of the COUNTY. The CONSULTANT, at its own expense, may retain copies for its files and internal use. The COUNTY shall not reuse any design plans or specifications to construct another project at the same or a different location without the CONSULTANT'S specific written verification, adaptation or approval.

SECTION 15 INSURANCE COVERAGE AND INDEMNIFICATION

15.1 The Contractor must maintain insurance in at least the amounts required in the Request for Proposal (Section C of the RFP) throughout the term of this contract. The contractor must provide a Certificate of Insurance in accordance with Insurance Requirements of the Request for Proposal, evidencing such coverage prior to issuance of a purchase order or commencement of any work under this Contract.

15.2 If the CONSULTANT is an individual or entity licensed by the state of Florida who holds a current certificate of registration under Chapter 481, Florida Statutes, to practice architecture or landscape architecture, under Chapter 472, Florida Statutes, to practice land surveying and mapping, or under Chapter 471, Florida Statutes, to practice engineering, and who enters into a written agreement with the COUNTY relating to the planning, design, construction, administration, study, evaluation, consulting, or other professional and technical support services furnished in connection with any actual or proposed construction, improvement, alteration, repair, maintenance, operation, management, relocation, demolition, excavation, or other facility, land, air, water, or utility development or improvement, the CONSULTANT will indemnify and hold harmless the COUNTY, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the CONSULTANT and other persons employed or utilized by the CONSULTANT in the performance of the Agreement.

**SECTION 16
EQUAL EMPLOYMENT OPPORTUNITY CLAUSE
FOR CONTRACTS NOT SUBJECT TO EXECUTIVE ORDER 11246**

In carrying out the contract, the CONSULTANT shall not discriminate against employee or applicant for employment because of race, color, religion, sex or national origin.

**SECTION 17
INDEPENDENT CONTRACTOR STATUS AND COMPLIANCE WITH THE
IMMIGRATION REFORM AND CONTROL ACT OF 1986**

CONSULTANT acknowledges that it is functioning as an independent contractor in performing under the terms of this Agreement, and it is not acting as an employee of COUNTY. CONSULTANT acknowledges that it is responsible for complying with the provisions of the Immigration Reform and Control Act of 1986, located at 8 U.S.C. Section 1324, et seq., and regulations relating thereto. Failure to comply with the above provisions of this contract shall be considered a material breach and shall be grounds for immediate termination of the contract.

**SECTION 18
PROHIBITION AGAINST CONTINGENT FEE**

The CONSULTANT warrants that he has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT to solicit or secure this Agreement, and that he has not paid or agreed to pay any person, company, corporation, individual, or firm other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, gift or any other consideration, contingent upon or resulting from the award or making of this Agreement.

**SECTION 19
TRUTH IN NEGOTIATIONS**

By execution of this Agreement, the CONSULTANT certifies to truth-in-negotiations and that wage rates and other factual unit costs supporting the compensation are accurate, complete and current at the time of contracting. Further, the original contract amount and any additions thereto shall be adjusted to exclude any significant sums where the COUNTY determines the contract price was increased due to inaccurate, incomplete or non-current wage rates and other factual unit costs. Such adjustments must be made within one (1) year following the end of the contract.

**SECTION 20
SUCCESSORS AND ASSIGNS**

The CONSULTANT shall not assign, sublet, or transfer his interest in this Agreement without the written consent of the COUNTY.

SECTION 21 INTEREST ON JUDGMENTS

In the event of any disputes between the parties to this Agreement, including without limitation thereto, their assignees and/or assigns, arising out of or relating in any way to this Agreement, which results in litigation and a subsequent judgment, award or decree against either party, it is agreed that any entitlement to post judgment interest, to either party and/or their attorneys, shall be fixed by the proper court at the rate of five percent (5%), per annum, simple interest. Under no circumstances shall either party be entitled to pre-judgment interest. The parties expressly acknowledge and, to the extent allowed by law, hereby opt out of any provision of federal or state statute not in agreement with this paragraph.

SECTION 22 TERMINATION OF AGREEMENT

22.1 The COUNTY reserves the right to cancel this Agreement, without cause, by giving thirty (30) days prior written notice to the CONSULTANT of the intention to cancel. Failure of the CONSULTANT to fulfill or abide by any of the terms or conditions specified shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the discretion of COUNTY. Alternatively, at the COUNTY'S discretion, the COUNTY may provide to CONSULTANT thirty (30) days to cure the breach. Where notice of breach and opportunity to cure is given, and CONSULTANT fails to cure the breach within the time provided for cure, COUNTY reserves the right to treat the notice of breach as notice of intent to cancel the Agreement for convenience.

22.2 If COUNTY terminates the Agreement for convenience, other than where the CONSULTANT breaches the Agreement, the CONSULTANT'S recovery against the COUNTY shall be limited to that portion of the CONSULTANT'S compensation earned through date of termination, together with any costs reasonably incurred by the CONSULTANT that are directly attributable to the termination. The CONSULTANT shall not be entitled to any further recovery against the COUNTY, including but not limited to anticipated fees or profit on work not required to be performed.

22.3 Upon termination, the CONSULTANT shall deliver to the COUNTY all original papers, records, documents, drawings, models, and other material set forth and described in this Agreement.

22.4 In the event that conditions arise, such as lack of available funds, which in the COUNTY'S opinion make it advisable and in the public interest to terminate this Agreement, it may do so upon written notice.

SECTION 23 AGREEMENT TERM

This Agreement will become effective on the date of execution first written above and shall remain in effect for twenty-one (21) consecutive calendar months from the commencement date on the Notice to Proceed, unless terminated at an earlier date under other provisions of this Agreement, or unless extended for a longer term by amendment.

SECTION 24 CONFLICT OF INTEREST

24.1 By accepting award of this Contract, the CONSULTANT, which shall include its directors, officers and employees, represents that it presently has no interest in and shall acquire no interest in any business or activity which would conflict in any manner with the performance of services required hereunder, including as described in the CONSULTANT'S own professional ethical requirements. An interest in a business or activity which shall be deemed a conflict includes but is not limited to direct financial interest in any of the material and equipment manufacturers suppliers, distributors, or contractors who will be eligible to supply material and equipment for the PROJECT for which the CONSULTANT is furnishing its services required hereunder.

24.2 If, in the sole discretion of the County Administrator or designee, a conflict of interest is deemed to exist or arise during the term of the contract, the County Administrator or designee may cancel this contract, effective upon the date so stated in the Written Notice of Cancellation, without penalty to the COUNTY.

SECTION 25 ENTIRE AGREEMENT

This Agreement represents, together with all Exhibits, the entire written Agreement between the COUNTY and the CONSULTANT and may be amended only by written instrument signed by both the COUNTY and the CONSULTANT.

SECTION 26 PUBLIC ENTITY CRIMES

The CONSULTANT is directed to the Florida Public Entity Crimes Act, Section 287.133, Florida Statutes, specifically section 2(a), and the COUNTY'S requirement that the CONSULTANT comply with it in all respects prior to and during the term of the Contract.

SECTION 27 PUBLIC RECORDS

Contractor acknowledges that information and data it manages as part of the services may be public records in accordance with Chapter 119, Florida Statutes and Pinellas County public records policies. Contractor agrees that prior to providing services it will implement policies and procedures to maintain, produce, secure, and retain public records in accordance with applicable laws, regulations, and County policies, including but not limited to the Section 119.0701, Florida Statutes. Notwithstanding any other provision of this Agreement relating to compensation, the Contractor agrees to charge the County, and/or any third parties requesting public records only such fees allowed by Section 119.07, Florida Statutes, and County policy for locating and producing public records during the term of this Agreement.

SECTION 28
GOVERNING LAW AND AGREEMENT EXECUTION

This Agreement shall be governed by the laws of the State of Florida.

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

Firm Name

*Stearns, Conrad and Schmidt
Consulting Engineers, Inc.*

PINELLAS COUNTY, by and through its Board of
County Commissioners

By: _____

Print Name: Eduardo F. Smith

Title: V.P. Date: _____

By: _____

Chairman

Date: _____

ATTEST:

ATTEST:

Ken Burke, Clerk of the Circuit Court

By: _____

Print Name: Teresa A. Ketcham

Title: Assistant Secretary Date: _____

By: _____

Deputy Clerk

Date: _____

(CORPORATE SEAL)

APPROVAL AS TO FORM:

By: _____

Office of the County Attorney

ATTACHMENT 1 SCOPE OF SERVICES
Side Slope Closure at Bridgeway Acres West Landfill
Professional Consulting Services RFP Number 145-0113-NC (SS)

SCS responsibility for the Project will include project management, full-time construction observation services, providing Quality Assurance Laboratories (QAL) for material and laboratory testing services, and construction contract administration. In general, activities requiring full-time construction observation by SCS include the following:

- Site preparation.
- 12-inch force main relocation including reconnecting.
- Waste excavation, relocation, and regrading.
- Fill and grading.
- Two access roads (southwest and northeast).
- Stormwater downdrains, outfall structures, 24-inch flashboard risers, and access road sleeve/crossings.
- Toe and trench drains and outfall structures.
- 24-inch and 48-inch culverts and fabric formed concrete.
- Assist with final cover foundation, protective soil layer, and vegetative layer.
- Sod and restoration.

CDM Smith (CDM) is the Engineer of Record (EOR) for the Project and has specific construction contract administration responsibilities consisting primarily of providing submittals and shop drawing review, technical support, part-time Resident Project Representative (RPR) services, an Engineer Field Representative (EFR) for Construction Quality Assurance (CQA) and Project certification. The CQA activities to be performed by CDM include the following:

- Final cover foundation layer
- Composite drainage net for gas venting
- Closure cap liner (40 mil - LLDPE)
- Geocomposite drainage layer
- Protective soil layer
- Vegetative layer

CDM as the EOR will provide the necessary personnel to witness and document all of the geosynthetic installation activities during the Project as required by the specifications and construction permit. Some of these activities include, but are not limited to, trial weld logs; geomembrane daily panel placement logs; geomembrane daily seaming logs; geomembrane seam inspection log-air pressure tests; geomembrane seam inspection log-vacuum test logs; geomembrane destructive test logs, etc. as indicated in the project CQA Manual prepared by CDM for the Project.

Task 1 - Project Management

SCS will provide the following project management services extending throughout the construction contract.

- A. Coordinate the activities and communications of SCS's staff with those of the County, EOR, EFR, facility staff, and other consultants involved in the Project.
- B. Develop monthly SCS invoices.
- C. Prepare work assignment schedules which will be used by the County to verify SCS's performance in relationship to the fees claimed and to allow the County's Project Manager to monitor SCS's efforts. SCS will provide updates to the schedules and document, to the County, major deviations in actual versus estimated Project time frames.
- D. Develop Project cash flow and schedule tracking file. The file will be updated monthly and submitted with Project invoices to the County.
- E. Review and internally log and file Project correspondence.

Task 2 - Construction Observation Services

SCS will provide a full-time Construction Observer (CO) who will provide the following services during an assumed eighteen (18) month period which is equivalent to 79 weeks. Duties of the SCS CO will include the following:

- A. Attend preconstruction, monthly progress, and other onsite meetings as requested.
- B. Observe Contractor's work in progress for an average of forty (40) hours per week (3,160 hours total) during on-site construction activities to assist the County, EOR, and EFR with determining if the work is proceeding in accordance with the Contract Documents and to verify accuracy and quality of installation and materials installed. If on-site observation is required, as agreed to by the County, in excess of forty (40) hours per week, the duration may be shortened to maintain the 3,160 hour total. If the duration of on-site construction activity requires observation that exhausts the total hours of observation included, the County will either extend SCS's services under another agreement/amendment or provide other means to address the required additional observation services.
- C. Prepare a daily field report recording weather conditions, data relative to change orders, field orders, work change directives, changed conditions, site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to the County, EOR, and EFR. The daily field report will be completed at the end of each day the SCS CO is onsite, with a copy provided to the County's project manager and EOR on a weekly basis.
- D. Track the quantities placed, including stored materials, during construction and note the work completed, materials stored, and equipment delivered to the site but not incorporated into the work.
- E. Take progress photos and coordinate a log of photos to document the overall construction progress.

- F. Serve as the County's liaison with the Contractor, working principally through the County's project manager and Contractor's superintendent.
- G. Coordinate with the Contractor in advance of scheduled tests, inspections, or start of major phases of the work and advise the County, EOR, and EFR of the scheduled tests. The SCS CO will witness and document the geotechnical earthwork tests performed.
- H. The EOR's EFR will witness and document all of the geosynthetic work, the SCS CO will not be responsible for documentation of the work. However, the SCS CO will coordinate the QAL material testing.
- I. Report to the County and EOR when clarifications and interpretations of the Contract Documents appear necessary and assist with the communication of clarifications and interpretations issued to the Contractor by the EOR through the County.
- J. Advise the County, EOR, and Contractor of the commencement of any portion of the work requiring a shop drawing or sample submittal for which the SCS CO believes the submittal has not been approved by the EOR.
- K. Report work which is unsatisfactory or faulty, does not conform to the Contract Documents, is otherwise defective, does not meet the requirements of inspections, tests, or approvals required, or which appears to be damaged during shipment, delivery or installation. The SCS CO shall advise the County and EOR when work should be corrected or rejected, should be uncovered for observation, or requires special testing, inspection, or approval. The SCS CO shall develop and deliver non-conformance notices to the County and EOR, as needed.
- L. Review Contractor schedule and provide input to the County and EOR on the overall status and acceptability of the Contractor's construction schedule. Potential concerns with the schedule will be indicated to the County and EOR.
- M. Using information provided by the EOR and the County, assist in providing the Contractor with information regarding the intent of the Contract Documents.
- N. Review and track requests for information (RFIs) and be aware of the responses provided. Non-technical or administrative RFIs will be coordinated with and answered by the County. Design and Permit related RFIs will be coordinated with the EOR and County, answered by the EOR, and issued to the Contractor by the EOR through the County.
- O. Participate in walk-through(s) for punch list development and contract completion, which will be updated and finalized by the EOR during substantial and final completion inspections. Follow through with the Contractor to verify all items are complete or corrected on the substantial completion punch list before scheduling the final completion inspection. Assign a dollar value to all punch list items not completed timely for pay application evaluation by the EOR.
- P. Assist the County with project closeout documentation, including assembling and

distributing punch lists generated by the County and EOR as a result of substantial and final walkthroughs and update punch lists based on Contractor performance of completed items.

- Q. Participate in a final walk-through in the company of the EOR, County, and Contractor and assist with preparing a final list of items to be completed and deficiencies to be remedied.
- R. Observe whether all items on the final punch list have been completed or corrected and make recommendations to the County and EOR concerning acceptance of the work.
- S. Verify that materials and equipment certificates, and other data required by the specifications, to be assembled and furnished by the Contractor, are applicable to the items actually installed.
- T. Coordinate with the Contractor regarding the conformance testing requirements and sample collection and testing frequency.
- U. Coordinate/schedule the laboratory for sample collection and testing and advise the County and EOR of the scheduled tests.
- V. Witness and document the sample collection by the laboratory. The EOR will review the test results for conformance with the Project specifications. The EOR will notify the contractor, County, and SCS as to whether the materials are in conformance with the specifications and if the Contractor has approval to use the material for its intended purpose. The EOR will forward the test results provided by SCS to the Contractor as necessary.

Task 3 - Material and Laboratory Testing Services

SCS shall retain Quality Assurance Laboratories (QAL) for geotechnical and geosynthetic laboratory testing for conformance tests as required by the EOR and EFR in accordance with the Project Construction Contract Documents. SCS has provided the QAL fee (Table 1) based on the table contained in the RFP which identified the types and estimated number of geotechnical and geosynthetic conformance tests required for the Project. The work requirements of SCS shall include the following:

- A. SCS's QAL shall perform testing services as required by the County and Construction Contract Documents. Items include sampling and testing construction materials in accordance with the most current version of the American Society for Testing Materials (ASTM), Geosynthetic Research Institute (GRI), Florida Department of Transportation (FDOT) and/or the American Association of State Highway and Transportation Officials (AASHTO) specifications for the required test.
- B. SCS's QAL shall sample or pick-up materials for testing in accordance with the most current version of ASTM, GRI, FDOT and/or AASHTO specifications for the required tests, and report the results to the County, EOR, and EFR. SCS's QAL shall pick-up the required sample materials within twenty-four (24) hours of the request, but specifically at

the required range of time specified by the County or EFR.

- C. SCS's QAL used for the geotechnical testing and reporting associated with the Project will be supervised by a Professional Engineer registered in the State of Florida. Earthwork testing reports will be signed and sealed by a Professional Engineer registered in the State of Florida.
- D. SCS's QAL used for the geosynthetic testing and reporting associated with the Project will be performed by a certified Geosynthetic Accreditation Institute-Laboratory Accreditation Program (GAI-LAP). Geosynthetic testing reports will be signed by the GAI-LAP Quality Assurance Manager.
- E. Based on the testing performed, the final reports will contain but are not limited to the following. When submitting reports, two (2) hard copies and one (1) electronic copy will be forwarded to the County and EOR and one (1) copy to the Contractor.
 - a. Pinellas County Project title, Project identification number, and sample identification number.
 - b. Identification of source of material tested, when applicable (producer or supplier).
 - c. Sample collection date and date the test was performed.
 - d. Location of sample or test to include station number and offset from centerline, when applicable.
 - e. The testing method will be included on the test reports when applicable.
- F. Reports on concrete cylinder compression tests at seven (7) and twenty eight (28) day breaks. Concrete cylinder test reports shall include the following information: Project title, location and/or structure identification, date cast and by whom, supplier name, design strength and class, slump, delivery truck number, mix ID number and batch, time discharged from truck, and water added on site.
- G. SCS's QAL will issue to the SCS CO a field density report prior to leaving the Project site after field density tests are completed.
- H. Destructive seam testing test results will be issued within three (3) days of arriving at the lab. All other conformance testing results shall be issued within seven (7) days of receiving the sample.
- I. Test reports will indicate pass, fail, and retest, when applicable.
- J. Conformance sample(s) of the geosynthetic materials will be collected at the manufacturer's facility, if possible, by a representative of the laboratory prior to shipment of the material to the Project site. If samples of the materials cannot be collected prior to shipment at the manufacturer's facility, the SCS CO will coordinate with the EFR to obtain samples from the delivered material as required by the EOR in accordance with

the Project contract documents.

- K. SCS and the QAL will be responsible for the accuracy of the work and will promptly correct its errors and omissions without additional compensation. Acceptance of the work by the County will not relieve SCS or the QAL of the responsibility for subsequent correction of any errors and clarification of any ambiguities.

Task 4 - Construction Contract Administration

SCS will provide construction contract administration during the above-mentioned period to include the following:

- A. SCS will use Microsoft Word 2007 and Microsoft Excel 2007 for word processing and spreadsheets. The SCS CO will be provided a cellular phone with email capability and a digital camera. SCS will provide a vehicle equipped with appropriate safety equipment capable to effectively carry out the requirements of Project.
- B. Set up and maintain Project site (field) office files. File maintenance will include receiving and distribution of construction phase correspondence, which may include miscellaneous letters/emails, submittals, RFIs, payment applications, meeting minutes, non-conformance notices, warranties, punch lists, change and claim information, and laboratory results.
- C. Receiving the documents that are provided by the County, consultants, Contractor, and maintaining Project logs for the following:
 - a. Hard copy correspondence in/out
 - b. Meeting minutes
 - c. Shop drawing submittals and tracking
 - d. RFIs and tracking
 - e. Non-conformance notices
 - f. Materials testing and pressure testing results
 - g. Notices to Owner filed by equipment suppliers and subcontractors
 - h. Change proposals and documentation
 - i. Field orders
 - j. Contractor Daily Reports
 - k. Contractor pay requests
 - l. Warranties

m. Punch lists

- D. Periodically monitor logs and report the status (on-time, late, overdue, etc.) to the County and EOR.
- E. Attend eighteen (18) monthly construction progress meetings, a preconstruction meeting, and other Project meetings, if requested. SCS will not be responsible for recording, generating, or distributing project meeting minutes; the EOR will perform these activities.
- F. Collect and distribute construction observation reports, including contractor's daily reports. Construction observation reports and construction photographs will be in digital format and transmitted weekly to the County and EOR.
- G. Review the Contractor's monthly applications for payment and coordinate with the EOR for recommending payment to the County. As part of the review and approval process, SCS will check that the record drawings are being updated adequately before recommending payment.
- H. SCS will review the construction contract document and compile a list of special warranties required. This list will be distributed to the County, EOR, and the Contractor for their information/confirmation. SCS will log in the special warranties as they are received.
- I. SCS will assist the County with preparation of Change Orders and distribute same for processing. SCS will not be required to make a recommendation for Change Orders.
- J. SCS will assist the County with project closeout documentation, including assembling and distributing punch lists generated by the County and EOR as a result of substantial and final walkthroughs; and update punch lists based on Contractor performance of completed items.
- K. SCS will not be responsible for development of a final record drawing set. The EOR will be responsible for record drawings and the FDEP certification report.

The following deliverables will be provided by SCS.

- Monthly reports
- Project logs
- Construction photographs
- Material testing reports
- Digital files
- Daily construction reports

ASSUMPTIONS AND LIMITATIONS

The scope of services does not include any activities not explicitly listed herein. This scope of services and fee are based on the following assumptions:

- A. The County will interface between SCS and the EOR.
- B. The County will provide a project manager throughout the duration of the Project.
- C. The EOR will be performing submittal reviews and approvals and certifying the Project complete per the requirements of the construction permit.
- D. SCS will not be required to sign and seal documents related to the Project. The geotechnical earthwork QAL reports will be signed and sealed by a state licensed Professional Engineer.
- E. The EOR will review the test results for conformance with the project specifications. The EOR will notify the Contractor, County, and SCS as to whether the materials are in conformance with the specifications and if the Contractor has approval to use the material for its intended purpose. The EOR will forward the test results provided by SCS to the Contractor as necessary.
- F. SCS will be provided with electronic copies of approved submittals by the EOR or County.
- G. SCS will not be required to generate any required reports for submittal to any permitting agency as per any condition of the construction permit, or associated permit; this will be the responsibility of the EOR or the County.
- H. The County construction field office/trailer will be included in the construction contract and SCS will have full access to the field office. The Contractor shall obtain all necessary permits and certificate of occupancy for setting up the field office and making utility connections. The field office will be furnished and will meet the requirements in the Construction Contract.
- I. SCS will provide a field laptop computer with internet access via Wi-Fi service.

FEE

SCS will complete the scope of services described above on a lump sum basis for Task 1, Task 2, and Task 4 for \$570,200 and on a unit price basis for Task 3 for an estimated amount of \$100,000, for a total fee of \$670,200. See Table 1 for manpower and fee estimate. SCS will invoice the County monthly on a percent complete basis.

TABLE 1 - MANPOWER AND FEE ESTIMATE
ENGINEERING SERVICES
SIDE SLOPE CLOSURE AT BRIDGEWAY ACRES WEST LANDFILL
PROFESSIONAL CONSULTING SERVICES RFP NUMBER 145-0113-NC (SS)
PROPOSAL NO. 090124215

Personnel	Task Schedule							Total (hours)	Rate (\$)	Total (\$)
	Task 1	Task 2	Task 3	Task 4						
Principal/Office Director	21.0	42.0		21.0				84.0	250.00	21,000.00
Project Director	182.0	288.0		158.0				628.0	210.00	131,880.00
Senior Project Advisor									180.00	
Senior Project Manager									180.00	
Project Manager									165.00	
Senior Project Professional	79.0	158.0		79.0				316.0	145.00	45,820.00
Project Professional									125.00	
Designer/Drafter									105.00	
Construction Superintendent									120.00	
Staff Professional	79.0	158.0		79.0				316.0	100.00	31,600.00
Designer									100.00	
Senior Technician 2	24.0	3,160.0		40.0				3,224.0	92.50	298,220.00
Senior Technician 1									80.00	
Associate Staff Professional									85.00	
Senior Draftsperson									90.00	
Draftsperson									75.00	
Technician									75.00	
Office Services Manager	79.0			21.0				100.0	85.00	8,500.00
Secretarial/Clerical	79.0	158.0		237.0				474.0	70.00	33,180.00
Subtotal Labor (hours)	543.0	3,964.0		635.0				5,142.0		
Subtotal Labor (\$)	77,290.00	413,050.00		79,860.00						\$570,200.00
QAL Subconsultants			100,000.00							\$100,000.00
Total Fee Estimate	\$77,290.00	\$413,050.00	\$100,000.00	\$79,860.00						\$670,200.00

Note(s):

Task 1 - Project Management

Task 2 - Construction Observation Services

Task 3 - Material and Laboratory Testing Services

Task 4 - Construction Contract Administration

EXHIBIT A
SCHEDULE OF RATE VALUES

SCS Engineers

Subcontractors

TRI Environmental, Inc.
Geotechnics, Inc.
Tierra, Inc.
MC Squared, Inc.

SCS ENGINEERS

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
SCS Engineers Schedule of Rate Values

	<u>Rate/Hour (\$)</u>
Principal/Office Director.....	250
Project Director	210
Senior Project Advisor.....	180
Senior Project Manager.....	180
Project Manager.....	165
Senior Project Professional	145
Project Professional.....	125
Designer/Drafter.....	105
Construction Superintendent.....	120
Staff Professional	100
Designer	100
Senior Technician 2.....	92.50
Senior Technician 1.....	80
Associate Staff Professional	85
Senior Draftsperson.....	90
Draftsperson	75
Technician	75
Office Services Manager/Project Administrator.....	85
Secretarial/Clerical	70

1. The hourly rates are effective for the initial contract term which will be twenty-one (21) consecutive calendar months.
2. The above hourly rates include labor, direct/indirect overhead, margins/profit, customary expenses such as copies, postage, etc. and travel within the Tampa Bay Metropolitan Statistical Area. Travel outside of the Tampa Bay Metropolitan Statistical Area will be reimbursed in accordance with Florida Statutes. Other direct expenses, such as analyses of air, water, and soil samples and sub-consultants will be billed at cost, with the exception of sub-consultants hourly rates listed, which are fully burdened.



TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

AUSTIN, TX - USA | ANAHEIM, CA - USA | ANDERSON, SC - USA | GOLD COAST - AUSTRALIA | SUZHOU - CHINA

Exhibit A

Side Slope Closure at Bridgeway Acres West Landfill

Pinellas County, Florida

TRI, Inc.

Schedule of Fees and Services



Accredited Geosynthetic Laboratories

Accredited Designation #: GAI-LAP-95-1

www.GeosyntheticTesting.com



Same Day Seam Testing

In-plant Independent QA Sampling

Index QA/QC Testing

Direct Shear Testing/Design Support

Chemical Resistance/EPA Method 9090A

Performance Testing/Durability/Forensics

High Strength Geosynthetic Testing

Contact TRI:

Jacqueline Dettman - jdettman@tri-env.com - 800-880-8378, ext. 137

E-MAIL TO INITIATE YOUR PROJECT

1 of 4

TRI ENVIRONMENTAL, INC.

9063 BEE CAVES RD. - AUSTIN, TX 78733 - USA | PH: 800.880.TEST OR 512.263.2101



TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

AUSTIN, TX - USA | ANAHEIM, CA - USA | ANDERSON, SC - USA | GOLD COAST - AUSTRALIA | SUZHOU - CHINA

Item	Test Description	Current Procedure	Old Procedure/Comment	Cost per Sample
GEOMEMBRANE SEAM TESTING (SAME-DAY SERVICE):				
1	Peel and Shear	ASTM D 6392	ASTM D 413 ASTM D 3083 ASTM D 4437	\$25
2	Peel and Shear	ASTM D 751 shear ASTM D 413 peel		\$30
3	Peel and Shear	ASTM D 6214	ASTM D 413 ASTM D 3083 ASTM D 4437	\$35 - \$50
4	Peel and Shear	ASTM D 7272	for Taped Seams	\$50
5	Shear Strength	ASTM D 7056	for Pre-Fabricated Bituminous Geomembrane Seams	\$35
GEOMEMBRANE TESTING:				
1	Asperity Height	ASTM D 7466 - single side	GRI GM12 - single side	\$15
2	Asperity Height	ASTM D 7466 - double sided	GRI GM12 - double sided	\$20
3	Carbon Black Content	ASTM D 1603		\$35
4	Carbon Black Content	ASTM D 4218, mod.		\$35
5	Carbon Dispersion	ASTM D 5596	ASTM D 3015	\$35
6	Coefficient of Linear Thermal Expansion	ASTM D 696		\$125
7	Constant Load (Single Point Notched) Stress Crack Resistance	ASTM D 5397 Appendix	Placing of Textured Geomembrane	\$50
8	Constant Load (Single Point Notched) Stress Crack Resistance	ASTM D 5397 Appendix	500 hours	\$375
9	Density	ASTM D 1505		\$20
10	Dimensional Stability	ASTM D 1204		\$40
11	Hydrostatic Resistance	ASTM D 751		\$60
12	Low Temp. Brittleness	ASTM D 746	single temp. verification	\$150
13	Melt Flow Index	ASTM D 1238		\$45
14	Modulus - 2% Secant	ASTM D 5323		\$50
15	Modulus - Tangential	ASTM D 638, D 882		\$50
16	Oxidative Induction Time (OIT)	ASTM D 3895		\$200
17	Oxidative Induction Time - High Pressure (HPOIT)	ASTM D 5885	≤400 minutes	\$350
18	Oxidative Induction Time - High Pressure (HPOIT)	ASTM D 5885,	Cost per minute > 400 minutes add to base price previous line	\$0.25
19	Ply Adhesion	ASTM D 6636	ASTM D 413	\$50
20	Puncture Resistance - Index	ASTM D 4833		\$40
21	Puncture Resistance - Index		FTMS 101C, Meth. 2065	\$40
22	Soil Burial Resistance - Exposure	ASTM D 3083	30 Day Exposure	\$450
23	Specific Gravity/Density	ASTM D 792		\$20
24	Tear Resistance	ASTM D 1004		\$50
25	Tear Resistance - "Tongue Tear"	ASTM D 751		\$50
26	Tear Resistance - Large Scale "Tongue Tear"	ASTM D 5884		\$75
27	Tensile Properties - Index	ASTM D 6693	ASTM D 638	\$50
28	Tensile Properties - Index	ASTM D 882		\$50
29	Tensile Properties - Index	ASTM D 412		\$50
30	Tensile Properties - Index	ASTM D 7004	ASTM D 751-Grab, for R-GMs	\$50
31	Tensile Properties - Index	ASTM D 7003	for R-GMs	\$50
32	Tensile Properties - Wide Width	ASTM D 4885	@ 0.4 ipm strain rate	\$150
33	Tensile Properties - Multi-Axial	ASTM D 5617		\$375
34	Thickness	ASTM D 5994	ASTM D 751, GRI GM8	\$15
35	Thickness	ASTM D 5199	ASTM D 751	\$15
36	Thickness (by weight)	ASTM D 1593		\$30
37	UV Resistance (Unreinforced Polyolefin GMs)	ASTM D 7238	per hour exposure	\$0.95
38	Volatile Loss	ASTM D 1203		\$125
39	Water Absorption	ASTM D 570		\$50
40	Water Vapor Transmission	ASTM E 96, Cond. B, BW	Specification required	\$450



TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

AUSTIN, TX - USA | ANAHEIM, CA - USA | ANDERSON, SC - USA | GOLD COAST - AUSTRALIA | SUZHOU - CHINA

Item	Test Description	Current Procedure	Old Procedure/Comment	Cost per Sample
GEOTEXTILE TESTING:				
1	Apparent Opening Size	ASTM D 4751		\$100
2	Gradient Ratio	ASTM D 5101	Specification Required	Quote
3	Hydraulic Transmissivity - Planar	ASTM D 4716	15 min., 1 load, plates	\$75
4	Hydraulic Transmissivity - Radial	ASTM D 6574	15 min., 1 load, plates	\$250
5	Mass/Unit Area	ASTM D 5261	ASTM D 3776	\$20
6	Mullen Burst Strength	ASTM D 3786		\$40
7	Permittivity/Permeability / Flow	ASTM D 4491		\$85
8	Permeability	ISO 11058		\$85
9	Pore Size Characteristics Capillary Flow	ASTM D 6767		\$250
10	Puncture Resistance - Index	ASTM D 4833		\$40
11	Puncture Resistance - 50 mm probe	ASTM D 6241		\$100
12	Seam Strength	ASTM D 4884	Woven	\$150
13	Seam Strength	ASTM D 4884	Nonwoven	\$90
14	Tensile Strength/Elongation - Grab	ASTM D 4632		\$50
15	Tensile Strength/Elongation - Strip	ASTM D 5035		\$50
16	Tensile Strength/Elongation-Wide Width	ASTM D 4595	Woven per direction	\$150
17	Tensile Strength/Elongation-Wide Width	ASTM D 4595	Nonwoven per direction	\$90
18	Thickness	ASTM D 5199	ASTM D 1777	\$15
19	Trapezoidal Tear	ASTM D 4533		\$50
20	UV Resistance-Exposure Hrs - MD Only	ASTM D 4355	Xenon-Arc UV, Cost per Exposure Hr.	\$1.90
GEONET / GEOCOMPOSITE TESTING:				
1	Carbon Black Content	ASTM D 1603/D 4218		\$35
2	Compressive Behavior	ASTM D 6454	ASTM D 1621, GRI GS1, GN1	\$175
3	Compressive Creep	ASTM D 7406	10,000 hour	Call for Quote
4	Compressive Creep - Stepped Isothermal Method	ASTM D 7361	SIM - per compressive load	Call for Quote
5	Density	ASTM D 1505		\$20
6	Hydraulic Transmissivity - Planar	ASTM D 4716	15 min., 1 load, plates	\$75
7	Hydraulic Transmissivity - Insitu	ASTM D 4716	100 hr, profiled, 1load, 1 gradient	\$275
8	Mass/Unit Area	ASTM D 5261	ASTM D 3776	\$20
9	Peel Strength - MD Only	ASTM D 7005	ASTM D 413, GRI GC7	\$45
10	Puncture Resistance - 50 mm probe	ASTM D 6241		\$100
11	Tensile Strength/Elongation - Strip	ASTM D 7179	ASTM D 5035	\$50
12	Tensile Strength/Elongation-Wide Width	ASTM D 4595	per direction	\$150
13	Thickness	ASTM D 5199	ASTM D 1777	\$15
GCL TESTING:				
1	Free Swell	ASTM D 5890	USPNFXVII, GRI-GCL1	\$75
2	Fluid Loss	ASTM D 5891		\$75
3	Internal Shear Strength	ASTM D 6243	Single Point QC Test	\$125
4	Mass/Unit Area	ASTM D5993	ASTM D 5261	\$25
5	Moisture Content	ASTM D4643/D2216		\$20
6	Peel Strength	ASTM D 6496		\$50
7	Peel Strength		ASTM D 4632, modified	\$70
8	Permeability / Hydraulic Conductivity / Flux	ASTM D5887	ASTM D 5084, GRI GCL2	\$180
9	Permeability w/Potentially Incompatible Liquid	ASTM D 6766		Call for Quote
10	Tensile Strength	ASTM D6768		\$50
11	Tensile Strength		ASTM D 4632	\$70
12	Tensile Strength/Elongation-Wide Width	ASTM D 4595	per direction	\$150



TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

AUSTIN, TX - USA | ANAHEIM, CA - USA | ANDERSON, SC - USA | GOLD COAST - AUSTRALIA | SUZHOU - CHINA

Item	Test Description	Current Procedure	Old Procedure/Comment	Cost per Sample
GEOGRID TESTING:				
1	Carbon Black Content	ASTM D 1803		\$35
2	Carbon Black Content	ASTM D 4218		\$35
3	Carboxyl End Group (CEG)	ASTM D 7409	on uncoated yarn or fiber	\$550
4	Connection Strength/Strain	ASTM D 6638	5 loads/7 pulls	\$1,250
5	Creep/Stress Rupture	ISO10334/ASTMD5262		Call for Quote
6	Creep/Stress Rupture - Accelerated	ASTM D 6992, ASTM D 5262	D 6992 is Stepped Isothermal Method	Call for Quote
7	Density	ASTM D 1505		\$20
8	Junction Strength	GRI GG2	per direction	\$75
9	Molecular Weight of PET (Number Average)	GRI GG8		\$550
10	Stiffness / Flexibility	ASTM D 1388		\$150
11	Tensile Strength/Elongation-Single Rib	ASTM D 6637	GRI GG1 per direction	\$80
12	Tensile Strength/Elongation-Wide Width	ASTM D 6637	ASTM D 4595 per direction	\$150
13	Torsional Rigidity	Corp of Engineers		\$425
INTERFACE FRICTION / DIRECT SHEAR TESTING:				
NOTE: Because each interface friction/direct shear test is site-specific, project-specific costs must be provided by TRI. However, the general fees demonstrated below may be used for estimate purposes				
1	Geosynthetic vs Geosynthetic	ASTM D 5321	3-pt. Test, 1 hour seat, 0.2 ipm	\$475
2	Geosynthetic vs Soil or GCL	ASTM D 6243/D 5321	3-pt. Test, 24 hr. cond., 0.04 ipm	\$650
3	Standard Proctor	ASTM D 698		\$125
4	Modified Proctor	ASTM D1557		\$160
IN-PLANT SAMPLING SERVICES: Total cost are determine by actual sampling hours at the not to exceed per hour costs. For this worksheet please assume 1 hour per sample.				
1	AGRU America - SC/NV/GA	Geomembrane, Geonet, Geocomposite, GCL		\$40
2	CETCO - WY	GCL		\$40
3	CETCO - GA	GCL		\$40
4	GSE - BentoFix - Canada	GCL		\$50
5	GSE Lining Co. - TX	Geomembrane, Geocomposite, Geonet		\$40
6	GSE Lining Co. - SC	Geotextile, Geonet, Geocomposite		\$40
7	GSE GundSeal - SD	GCL		\$40
8	PolyFlex, Inc. - TX	Geomembrane, Geocomposite, Geonet		\$40
9	Solmax - Canada	Geomembrane		\$50
10	SE United States Manufacturers	Skaps, Tensar, TNS, etc.		\$40
13	Tenax - Baltimore	Geonet, Geogrid, Geocomposite		\$50

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
Geotechnics, Inc.
Geosynthetic & Interface Friction
Testing Services



Test Description	Test Method	Price
Geomembrane Destructive Seams		
Peel and Shear	ASTM D6214, D6392, D7408	\$25
Geomembranes		
Thickness	ASTM D5199, D5994	\$12
Density	ASTM D1505	\$15
Density	ASTM D792	\$20
Melt Flow Index	ASTM D1238	\$35
Carbon Black Content	ASTM D1603	\$28
Carbon Black Dispersion	ASTM D5596	\$32
Tear Resistance	ASTM D1004 Die C	\$50
Puncture Resistance	ASTM D4833	\$40
Tensile Properties	ASTM D6693	\$55
Asperity Height (both sides)	ASTM D7466	\$15
2% Modulus	ASTM D5323	\$50
Axi-Sym. Break	ASTM D5617	\$350
Std OIT	ASTM D3895	\$175
HP-OIT	ASTM D5885	\$275
Stress Crack Resist. (300 hr)	ASTM D5397	\$275
Oven Aging (90 day) w/ std. OIT	ASTM D5721/3895	\$765
UV Resist. (1600 hr) w/ HP OIT	ASTM D5885	\$1,535
Geonets & Geocomposites		
Mass per Unit Area	ASTM D5261	\$15
Thickness	ASTM D5199	\$12
Density	ASTM D1505	\$15
Melt Index	ASTM D1238, Con. E	\$35
Carbon Black Content	ASTM D1603	\$28
Tensile (MD)	ASTM D7179	\$45
Compressive Strength	ASTM D6364	\$160
Transmissivity: 1 Load, 1 Grad., b/w steel plates-15 min seat (2reps)	ASTM D4716	\$90
Transmissivity: 1 Load, 1 Grad., b/w steel plates-100hr seat (1rep)	ASTM D4716	\$290
Transmissivity: 1 Load, 1 Grad., 1 Soil boundary-100hr seat (1rep)	ASTM D4716	\$325
Ply Adhesion	ASTM D7005	\$45
Geotextiles		
Mass per Unit Area	ASTM D5261, D3776	\$15
Grab Strength & Elongation	ASTM D4632	\$45
Trapezoidal Tear	ASTM D4533	\$45
Puncture Resistance	ASTM D4833	\$40
CBR Puncture	ASTM D6241	\$75
Mullen Burst	ASTM D3786	\$30
Permittivity & Flow Rate	ASTM D4491	\$75
Apparent Opening Size (AOS)	ASTM D4751	\$85
Wide Width Tensile (Non-woven)	ASTM D4595	\$150
Sewn Seam	ASTM D4632	\$85
UV Resistance (500 hrs)	ASTM D4355	\$830
Geosynthetic Clay Liners		
Bentonite Mass per Unit Area	ASTM D5993	\$25
Peel Strength (MD)	ASTM D6496	\$60
Tensile Strength	ASTM D6768	\$55
Swell Index	ASTM D5890	\$70
Fluid Loss	ASTM D5891	\$80
Index Flux or Permeability	ASTM D5887	\$190
Interface Friction		
Geosynthetic to Geosynthetic; 3 Load Points, 0.2 in/min displ., 1 hr seat	ASTM D5321	\$450
Geosynthetic to Soil; 3 Load Points, 0.04 in/min displ., up to 24 hr consolidation	ASTM D5321	\$675
GCL Internal Shear, 1 Load Point, 0.04 in/min displ., up to 24 hr consolidation	ASTM D6243	\$240
GCL to Geosynthetic; 3 Load Points, 0.04 in/min displ., up to 24 hr consolidation	ASTM D6243	\$630
GCL to Soil; 3 Load Points, 0.04 in/min displ., up to 24 hr consolidation	ASTM D6243	\$735
In-Plant Sampling		
In-Plant Sampling (per Hour)		\$55

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
Tierra, Inc.
Fee Schedule

I. FIELD INVESTIGATION	Unit	Unit Price
Mobilization of Men and Equipment		
Truck-Mounted Equipment	Trip	\$ 324.00
Specialized ATV/Mudbug	Trip	\$ 649.00
Support Vehicle	Trip	\$ 145.00
Cone Penetrometer Equipment	Trip	\$ 340.00
Barge-Mounted Equipment	Trip	\$ 7,138.00
Barge Equipment with Tug	Day	\$ 2,575.00
Safety Boat	Day	\$ 515.00
Standard Penetration Test Borings (ASTM D1586)		
(By Truck-Mounted Equipment)		
Land: 0 - 50 ft depth	L.F.	\$ 12.00
50 - 100 ft depth	L.F.	\$ 16.00
100 - 150 ft depth	L.F.	\$ 29.00
150 - 200 ft depth	L.F.	\$ 43.00
Standard Penetration Test Borings		
(By ATV/Mudbug)		
Land: 0 - 50 ft depth	L.F.	\$ 14.00
50 - 100 ft depth	L.F.	\$ 17.00
100 - 150 ft depth	L.F.	\$ 30.00
150 - 200 ft depth	L.F.	\$ 43.00
Standard Penetration Test Borings		
(Track-Mounted)		
Land: 0 - 50 ft depth	L.F.	\$ 18.00
50 - 100 ft depth	L.F.	\$ 24.00
100 - 150 ft depth	L.F.	\$ 28.00
150 - 200 ft depth	L.F.	\$ 43.00
Standard Penetration Test Borings		
(By Barge-Mounted Equipment)		
0 - 50 ft depth	L.F.	\$ 20.00
50 - 100 ft depth	L.F.	\$ 26.00
100 - 150 ft depth	L.F.	\$ 49.00
150 - 200 ft depth	L.F.	\$ 73.00
Cone Penetrometer Test Borings		
0 - 100 ft depth	L.F.	\$ 12.00
100 - 200 ft depth	L.F.	\$ 15.00
Grout-Seal Boreholes		
(By Truck-Mounted Equipment)		
Land: 0 - 50 ft depth	L.F.	\$ 5.00
50 - 100 ft depth	L.F.	\$ 6.00
100 - 150 ft depth	L.F.	\$ 9.00
150 - 200 ft depth	L.F.	\$ 12.00
Grout-Seal Boreholes		
(By ATV/Mudbug)		
Land: 0 - 50 ft depth	L.F.	\$ 6.00
50 - 100 ft depth	L.F.	\$ 7.00
100 - 150 ft depth	L.F.	\$ 9.00
150 - 200 ft depth	L.F.	\$ 11.00
Grout-Seal Boreholes		
(Track-Mounted)		
Land: 0 - 50 ft depth	L.F.	\$ 7.00
50 - 100 ft depth	L.F.	\$ 9.00
100 - 150 ft depth	L.F.	\$ 14.00
150 - 200 ft depth	L.F.	\$ 18.00
Grout-Seal Boreholes		
(By Barge-Mounted Equipment)		
0 - 50 ft depth	L.F.	\$ 8.00
50 - 100 ft depth	L.F.	\$ 10.00
100 - 150 ft depth	L.F.	\$ 16.00
150 - 200 ft depth	L.F.	\$ 21.00
Casing Allowance		
(By Truck-Mounted Equipment)		
Land: 0 - 50 ft depth	L.F.	\$ 8.00
50 - 100 ft depth	L.F.	\$ 9.00
100 - 150 ft depth	L.F.	\$ 11.00
150 - 200 ft depth	L.F.	\$ 14.00

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
Tierra, Inc.
Fee Schedule

Casing Allowance			
(By ATV/Mudbug)			
Land: 0 - 50 ft depth	L.F.	\$	10.00
50 - 100 ft depth	L.F.	\$	13.00
100 - 150 ft depth	L.F.	\$	16.00
150 - 200 ft depth	L.F.	\$	20.00
Casing Allowance			
(Track-Mounted)			
Land: 0 - 50 ft depth	L.F.	\$	12.00
50 - 100 ft depth	L.F.	\$	14.00
100 - 150 ft depth	L.F.	\$	16.00
150 - 200 ft depth	L.F.	\$	21.00
Casing Allowance			
(By Barge-Mounted Equipment)			
0 - 50 ft depth	L.F.	\$	13.00
50 - 100 ft depth	L.F.	\$	16.00
100 - 150 ft depth	L.F.	\$	18.00
150 - 200 ft depth	L.F.	\$	33.00
Rock Coring (Structures) (ASTM D2113)			
(By Truck-Mounted Equipment)			
0 - 50 ft deep	L.F.	\$	34.00
50 - 100 ft deep	L.F.	\$	47.00
100 - 150 ft deep	L.F.	\$	57.00
Rock Coring (Structures)			
(By ATV/Mudbug)			
0 - 50 ft deep	L.F.	\$	41.00
50 - 100 ft deep	L.F.	\$	48.00
100 - 150 ft deep	L.F.	\$	62.00
Rock Coring (Structures)			
(Track-Mounted)			
0 - 50 ft deep	L.F.	\$	40.00
50 - 100 ft deep	L.F.	\$	53.00
100 - 150 ft deep	L.F.	\$	72.00
Rock Coring (Structures)			
(By Barge-Mounted Equipment)			
0 - 50 ft deep	L.F.	\$	44.00
50 - 100 ft deep	L.F.	\$	58.00
100 - 150 ft deep	L.F.	\$	77.00
Field Permeability Tests (ASTM D6391)	Test	\$	270.00
Flagmen & Barricades (2 man crew)	Day	\$	854.00
Arrow Rental Sign	Day	\$	71.00
Permit Costs \$100 per six borings	Day	\$	103.00
Auger Borings Roadway and Ponds	L.F.	\$	10.00
Extra Split Spoon Samples	Each	\$	37.00
Hand Muck Probes (2-man crew)	Day	\$	854.00
Thin Walled Shelby Tube Samples (Land)	Each	\$	184.00
2-Inch Piezometer Installation	L.F.	\$	42.00
Standby/Decontamination (Drill Rig & Crew)	Hour	\$	195.00
Double Ring Infiltration Test (ASTM D5093)	Test	\$	497.00
Organic Vapor Analyzer (OVA)	Day	\$	227.00
Power Auger Boring (includes steam cleaning to a depth of 25 feet)	L.F.	\$	12.00
Concrete Cores (ASTM C42)	Each	\$	206.00
Per Diem-Two Man Crew	Day	\$	155.00

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
Tierra, Inc.
Fee Schedule

II. LABORATORY TESTING

Natural Moisture Content Tests (ASTM D4959)	Test	\$ 8.00
Grain-Size Analysis - Single Sieve (ASTM D1140)	Test	\$ 45.00
Organic Content Tests (AASHTO T267)	Test	\$ 65.00
Unit Weight Determination (ASTM D7263)	Test	\$ 41.00
a) Consolidation Tests (ASTM D4767)	Test	\$ 405.00
b) Each additional load increment above 4TSF	each	\$ 26.00
Specific Gravity (ASTM D854)	Test	\$ 58.00
Triaxial Shear Tests (3 Points) (ASTM D4767)	Test	\$ 346.00
Rock Compression Test (ASTM D7012)	Test	\$ 108.00
LBR Test (FM5-515)	Test	\$ 350.00
Permeability Test (ASTM D2434)	Test	\$ 200.00
Grain-Size with Hydrometer (ASTM D422)	Test	\$ 124.00
Special Preparation of samples	Hour	\$ 74.00
Direct Shear Strength Test (1 Point) (ASTM D3080)	Test	\$ 270.00
Soil Cement Mix Designs	each	\$ 1,051.00

III. FIELD ENGINEERING AND TECHNICAL SERVICES

Site Recon./Utility Coordination/Traffic Control Senior Specialist	Hour	\$ 101.00
Sr. Engineering Technician	Hour	\$ 67.00
Engineering Technician	Hour	\$ 55.00

IIIA. ENGINEERING AND TECHNICAL SERVICES

Project Manager	Hour	\$ 159.00
Senior Project Engineer	Hour	\$ 129.00
Senior Specialist	Hour	\$ 101.00
Project Engineer	Hour	\$ 109.00
Engineering Intern	Hour	\$ 90.00
Computer Technician	Hour	\$ 80.00
Sr Engineering Technician	Hour	\$ 67.00
Engineering Technician	Hour	\$ 55.00
Secretary/Clerical	Hour	\$ 52.00
Senior Scientist	Hour	\$ 76.00

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
Tierra, Inc.
Fee Schedule

I. SOILS FIELD & LABORATORY TESTING

Moisture Density Relationship (Proctor)		
a. Standard Proctor (ASTM D-698)	each	\$ 125.00
b. Modified Proctor (ASTM D1557)	each	\$ 125.00
Limerock Bearing Ratio (FM 5-515)	each	\$ 350.00
Organic Content (Loss by Ignition) (AASHTO T267)	each	\$ 65.00
Percent passing No. 200 Sieve (ASTM D1140)	each	\$ 45.00
Grain Size Analysis (ASTM D-422) (hydrometer not included)	each	\$ 63.84
Atterberg Limits (ASTM 4318)	each	\$ 124.62
Hydraulic Conductivity (ASTM D2434)	each	\$ 200.00
Soil Classification (ASTM D2487)	each	\$ 110.00
Soil Corrosiveness (includes pH (FM5-550), Resistivity (FM5-551), Soluble Chlorides (FM5-552) and Sulfates (FM5-553))	each	\$ 120.00
Limerock Thickness	each	\$ 50.00
Soil Density Test (ASTM D6938), Nuclear	each	\$ 40.00
Soil Density Test (ASTM D1558), Sand Cone	each	\$ 100.00
AASHTO T-180	each	\$ 120.00
Sieve Analysis Coarse or Fine Aggregates (ASTM C136)	each	\$ 100.00
Carbonate Content (Soils) (FM5-514) (ASTM D4373)	each	\$ 90.00
pH, Soil or Water (FM 5-550)	each	\$ 30.00
Engineering Technician, sampling, monitoring > 6 hrs/day	hour	\$ 55.00

II. CONCRETE LABORATORY TESTING

Compression Tests of Cylindrical Specimens (ASTM C31 and C39)	each	\$ 150.00
Flexural Strength of Concrete Beams (ASTM C78)	each	\$ 30.00
Slump Test (ASTM C143)	each	\$ 55.00

III. ASPHALT SAMPLING, CORING & LABORATORY TESTING

Technician for Coring	hour	\$ 55.00
Coring Equipment Mobilization	day	\$ 100.00
Asphalt Content / Aggregate Gradation (FM5-563)	each	\$ 150.00
Thickness and Density of Cores (ASTM D2726)	each	\$ 35.00

IV. ENVIRONMENTAL LABORATORY TESTING

Secondary Macronutrients (S, Ca, Mg) (ASTM E1193)	each	\$ 150.00
Primary Macronutrients (S, Ca, Mg) (ASTM D7473)	each	\$ 100.00
Organic Matter Content (Technical) (ASTM D2908)	each	\$ 250.00
Organic Content (ASTM D2974)	each	\$ 44.02

Exhibit A
Side Slope Closure at Bridgeway Acres West Landfill
Pinellas County, Florida
MC Squared, Inc.
Fee Schedule

Tests	Unit Rate
Organic Matter Content	\$ 45.00
Primary Macronutrients (N, P, K)	\$ 475.00
Secondary Macronutrients (S, Ca, Mg)	\$ 500.00
pH	\$ 50.00
Soil Types	\$ 75.00
Rate of Percolation	\$ 475.00
Organic Content (ASTM D2974)	\$ 45.00
Thickness (ASTM D751)	\$ 110.00
Sieve Analysis (ASTM D422)	\$ 100.00
Soil Classification (ASTM D2487)	\$ 85.00
Organic Content (ASTM D2974)	\$ 45.00
Atterberg Limits (ASTM D4318)	\$ 100.00
Hydraulic Conductivity (ASTM D2434)	\$ 475.00
Field Density and Moisture Content - Modified Proctor (ASTM D1557)	\$ 110.00
Field Density and Moisture Content - Nuclear Density Testing (ASTM D6938)	\$ 70.00
Organic Content (ASTM D2974)	\$ 45.00
Atterberg Limits (ASTM D4318)	\$ 100.00
Sieve Analysis (ASTM D422)	\$ 100.00
Sieve Analysis (ASTM C136)	\$ 100.00
Carbonate Content (ASTM D4373)	\$ 100.00
Sieve Analysis (ASTM C136)	\$ 100.00
Carbonate Content (ASTM D4373)	\$ 100.00
Sieve Analysis (ASTM C136)	\$ 100.00
AASTHO T-180	\$ 110.00
Compression Strength Test (ASTM C31 and C39)	\$ 75.00
Slump Test (ASTM C143)	\$ 25.00
Labor Classification	Rate/Hour
Project Manager	\$ 180.00
Chief Engineer	\$ 210.00
Project Engineer	\$ 126.00
Clerical	\$ 52.00

PINELLAS COUNTY RANKING

**RFP TITLE: Side Slope Closure at Bridgeway Acres West Landfill - Professional Consulting
RFP # 145-0113-NC (SS) ORAL PRESENTATION AND FINAL COMBINED SCORE**

Company Name	Point Total	Ranking
Stearns, Conrad and Schmidt Consulting Engineers, Inc.	1796.00	1
Jones Edmunds & Associates, Inc.	1761.50	2
Amec Foster Wheeler Environment & Infrastructure, Inc.	1615.00	3