December 17, 2013 130-2167

All Bid Holders of Record

RE: CITY OF EDINBURG
BID NUMBER 2014-40
CELL 5A CELL CONSTRUCTION, EDINBURG SANITARY LANDFILL
ADDENDUM NO. 1

Dear Recipient:

Golder Associates Inc (Golder), has prepared this addendum to the above-mentioned bid documents. This addendum forms a part of the bid documents and modifies the original "Invitation to Bid" dated December 2013.

Bidders must acknowledge receipt of this addendum in the space provided on the Bid Form, Item C on Page 00003-2 and 00003-7. Failure to do so may result in disqualification.

Addendum No. 1 consists of the revisions listed below, the Pre-Bid Meeting Minutes and Responses to Questions asked at the Pre-Bid meeting.

1.0 REVISIONS

Section 00001, Invitation to Bid,

Paragraph 1, Line 3 has been revised to read as follows "until 3:00 P.M. Central Time on Monday, December 23, 2013".

Paragraph 2, Line 2 has been revised to read as follows "A pre-bid conference will be held on Thursday, December 12, 2013 at 1:00 P.M.".

Section 00002, Part 6 – Experience and Financial Statements

Item A has been revised to state that "the only Bids that will be considered are those which are offered by Bidders (including their subcontractors) who can show evidence of their satisfactory completion of work of the type and size comparable to the Work covered by these Contract Documents for the past 5 years within the State of Texas or within any other state(s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas". Please be sure to include a valid client contact name and telephone number for the most recent projects (within the past 2 years).

Item B has been revised to state "A list of such work that has been performed within the State of Texas or within state(s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas."

Part 9 - Subcontractors and Suppliers has been revised to include the following language: The Bid shall include a list of subcontractors and their relative experience within the State of Texas or within any other state(s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas, and suppliers of principal items of material and equipment proposed for use in the Work.

Section 00003 – Bid Form

Page 2, Item I of the Bid form has been revised to read "The entire project shall be substantially complete by April 2, 2014".

Golder Associates Inc.
500 Century Plaza Drive, Suite 190
Houston, TX 77073 USA
Tel: (281) 821-6868 Fax: (281) 821-6870 www.golder.com

Golder Associates: Operations in Africa, Asia, Australasia, Europe, North America and South America

New Pay Item 15 - The bid form has been revised to include a new pay item for over-excavation and fill of soft subgrade soils in the cell construction area. The new line item is under Earthworks as Pay Item 15.

New Pay Item 25 – The bid form has been revised to include a new Pay Item 25 under General items for supplying fencing material to the site. The fencing material includes necessary items for construction of new fencing in accordance with the specification 02822 - Fencing which is attached. This item is for supply of fencing material only, not installation.

Other pay items have been renumbered due to these additions and a new bid form is therefore attached to this Addendum 1.

Section 01025 – Measurement and Payment

This section has been revised to incorporate the new Pay Items 15 and 22 identified above. A revised Section 01025 has been included in this Addendum and includes a renumbering of the Pay Items. The new Pay Items states the following:

O. Pay Item 15 Over-Excavation and Backfill

1. Measurement

The volume of over-excavation and backfill required to remove and replace soft or wet subgrade soil and to return the excavated area to the base grades shown on the drawings shall be based on a field measurement made by the Engineer of the over-excavation area. Backfill shall be placed in accordance with section 02210, Part 3 of the Soil and Liner Quality Control Plan. No additional allowances shall be permitted for shrinkage, swelling, creep or unauthorized over-excavations beyond that approved by the Engineer.

2. Payment

The Contract Unit Price per cubic yard (CY) for Over-Excavation and Backfill shall be full compensation for Over-Excavation and Backfill including all labor, material, equipment, and other incidentals, such as haul road construction and maintenance, dewatering, stockpiling, and stockpile maintenance, dust control and erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final payment shall be based on the volume calculated from a field measurement made by the Engineer or from a physical survey.

Section 3.03, General

C. Pay Item 24, Fencing Material, supply only

1. Measurement

The length of Fencing shall be based on providing satisfactory evidence provided to the City documenting the supply and unloading of the required length of fencing materials.

2. Payment

The Contract Unit Price Linear Foot (LF) for Supply of Fencing shall be full compensation for all materials, equipment, labor and other incidentals to supply and off load the new fencing materials. Final payment shall be based on satisfactory documentation provided by the fencing supplier verifying the quantities of materials delivered to the site.

2.0 MINUTES OF CONTRACTOR PRE-BID MEETING

On December 12, 2013, a Pre-bid Meeting was held at the City of Edinburg's Office of Solid Waste Management office to discuss the above reference construction project. The following personnel were in attendance.

City of Edinburg - Department of Solid Waste Management (City) / Owner
Ramiro L. Gomez, Jr. (956) 381-5635

Golder Associates, Inc. (Golder) / Engineer/Construction Quality Assurance
Mark Roth. (mroth@golder.com)
William E. (Chip) Gordon, P.E. (wgordon@golder.com) (281) 821-6868

Comanco Environmental
David Scherbaty (dscgervbaty@comcanco.com) (813) 988-8829

American Environmental
Randall Long (rlong@aegl.com) (281) 645-4190

EISG
Dal Sharp (dsharp@eisginc.com) (713) 622-3774

Environmental Specialties International, Inc.
Ted Hoey (tedhoey@rocketmail.com) (225) 291-2700

Foremost Paving
James Eckrod (bids@mconst.com) (817) 281-4470

The meeting was opened at approximately 1:05 p.m. Following introductions, the points summarized below were discussed during the meeting as recorded by Chip Gordon of Golder. A copy of the pre-bid meeting sign in sheet is attached.

Summary of Work

PB-01. The general layout of the site was discussed. The site contains two separately permitted facilities: an MSW (Type I) landfill to the north and a C&D (Type IV) landfill in the south. The Type I landfill consists of three separate areas: Units 1-4, Unit 5 and Unit 6. The current project consists of constructing an 8-acre MSW (Type I) cell in Unit 6.

PB-02. All communications with prospective bidders will be via email. Bidder questions regarding this project will be received by Golder Associates Inc. until 5:00 p.m., December 18, 2013. After this deadline, questions may not be answered.

PB-03. Change orders are not accepted on this project unless they are a result of a material or design change made by the City. Should the Contractor believe a change order is necessary, he may submit the request but approval is not anticipated except under extreme or unusual circumstances.

PB-04. Golder will perform a ground survey the week of January 20, 2014 and will provide the cell layout staking at this time. Any adjustments to the quantities in the bid form resulting from this ground survey will be communicated to the Contractor in a pre-construction meeting prior to the start of excavation on site. It is anticipated that earthmoving will begin on site on January 27, 2014. The contract schedule includes 65 days for the Contractor to complete the construction of Cell 5A.

Subgrade Preparation

PB-05. Cell 5A will require roughly 15,000 cy of cut and 20,000 cy of fill to reach design grades. The fill can be obtained from Cell 5A and from Module 8, located at the southeast corner of the adjacent Type IV facility. A haul road exists between Cell 5A and Module 8 and

this road must be used as the field between is currently under cultivation. The borrow area is shown on the attached figure.

PB-06. The compaction requirement is 95% of the standard Proctor maximum dry density. There is no moisture content requirement. The soil becomes dusty when dry and subjected to equipment traffic and required moisture to reach the required compaction.

Underdrain

PB-07. The groundwater level in the area is likely to intersect with the underdrain sump and will require pumping during construction. The contractor shall provide a pump and generator for removal of groundwater from the excavation and is required to maintain operation of this underdrain 24 hours per day throughout construction. Discharge from the underdrain will be into the stormwater pond located on the west side of the Type IV landfill. The underdrain must remain operational until the cell construction is accepted by the City, at which time the City will assume operation of the underdrain.

Liner System

PB-08. The liner system in Cell 5A consists of:

- reinforced GCL;
- textured 60-mil HDPE geomembrane; and
- double-sided geocomposite (200-mil geonet, 10-oz/sy geotextile on top, 6-oz/sy geotextile on bottom).

PB-09. A single 6-in, HDPE, SDR-17 leachate collection pipe and gravel wrapped in nonwoven geotextile, will be installed along the centerline of Cell 5A. The sideslope leachate extraction riser is an 18-in diameter, SDR-11, HDPE pipe.

PB-10. The Contractor may use any manufacturer for supply of the geosynthetic materials for the project, provided the material meets the project requirements.

PB-11. Direct sheer testing of the GCL interfaces will be provided by Golder using samples of the synthetic material provided by the Contractor.

Protective Cover

PB-12. The protective cover in Cell 5A is 2 ft thick and totals approximately 25,200 cy.

Schedule

PB-13. Cell 5A shall be substantially complete by April 2, 2014. Liquidated damages will be assessed if this schedule is not met (see Part 1.16 of Section 0006). Extensions will be allowed for lost Working Days due to weather or other conditions not under the control of the Contractor. The City or the Engineer will determine what will qualify as a weather delay.

PB-14. Bidders shall include a schedule with their bid.

PB-15. Following review of the bids, a recommendation will be prepared for the City Council. Approval of the recommended bid will be on the January 7, 2014 City Council agenda. The Notice to Proceed will be sent to the successful bidder on or about January 8, 2014.

PB-16. In order to have everything in order prior to the City Council meeting, the bidders are to include an Insurance Certificate and Letter of Intent from a surety company for the performance and payment bonds.

Bid Opening

PB-17. Bids will be opened in City Hall at 3 pm, December 23, 2013.

PB-18. The City is tax exempt.

General

PB-19. The Cell 5A material storage area will be north of the office facility and is identified on the attached Figure.

PB-20. Working hours will be 6 a.m. to 7 p.m., 7 days per week. The site is open every day, including holidays. Should the Contractor decide to work on Sundays, the City must be provided advance notice of at least 2 days.

PB-21. The City provides 24-hr security at the site.

PB-22. The Contractor is responsible for accepting, unloading and protecting the geosynthetic materials on site. The City will not be available to assist in this material acceptance or unloading.

PB-23. Direct questions on plans and specifications to Mr. Chip Gordon at Golder.

PB-24. Direct questions related to bonds, insurance, etc. to Ms. Lorena Fuentes, City of Edinburg Purchasing Agent.

PB-25. The contractor must provide their own construction surveying. Golder will perform the initial site layout and the certification and quantity surveys. If Contractor errors result in multiple certification surveys, the City will back-charge to Contractor. The Contractor may use a qualified surveyor of their choice. A recommended surveyor is R. Gutierrez Engineering Corporation, 130 E. Park Street, Pharr, Texas 78577, (956) 782-2557.

PB-26. Leachate pumps and control panels are to be provided by the Contractor in accordance with Pay Items 20 and 21. Jeff Fisher is the only approved provider of these items and the contact information is: (281) 932-3636

PB-27. A GCL panel layout drawing is required; therefore, the geosynthetic installer should prepare their own panel drawing and provide it to Golder.

PB-28. Following the meeting, all the attendees observed the conditions in Cell 5A and the surrounding ditches.

PB-29. The site ditches requiring cleaning will need 1.5 feet of silt removed from them, except for the ditch south and west of the construction area which will require approximately 2 feet of silt removed from the eastern half of this ditch.

3.0 QUESTIONS

Do the cut/fill quantities account for clearing and grubbing?

No, the cut/fill quantities were based on the current cell topography.

Considering that there is a bid item for the underdrain pump and the leachate collection system pump, will two pumps be required?

The Contractor will supply the leachate pump and control panel in accordance with bid item 20. The City will provide the pump and control panel for the underdrain, but the Contractor is required to install and operate the underdrain. Note that bid item 21 required the Contractor supply an additional three (3) control panels for the leachate collection system and two (2) leachate pumps. These additional panels and pumps are supply only items.

Sincerely,

GOLDER ASSOCIATES INC.

Mark Roth
Associate

William E. Gordon, P.E.
Senior Engineer

cc: Ramiro L. Gomez, Jr., City of Edinburg

Attachments:

Section 00001 – Invitation to Bid – Revision 1
Section 00002 – Instructions to Bidders
Section 0003 – Bid Form – Revision 1
Section 01025 – Measurement & Payment – Revision 1
Figure 1, Site Layout
Section 02822 – Fencing
Pre-Bid Meeting sign in sheet.

WEG/weg

CITY OF EDINBURG, BID NUMBER 2014-40
CELL CONSTRUCTION
CELL 5A, EDINBURG SANITARY LANDFILL

SECTION 00001 – INVITATION TO BID

REVISION 1

THE CITY OF EDINBURG

SECTION 00001

INVITATION TO BID

The City of Edinburg, Texas is soliciting sealed bids to be received by the City Secretary's Office located at 415 West University Drive, Edinburg, Texas 78541. Two sets of sealed bids will be received by the City, until **3:00 P.M. Central Time on Monday, December 23, 2013.** Shortly thereafter, all submitted bids will be gathered and taken to the City Hall Community Room, 1st floor, to be publicly opened and read aloud. Any bid received after the closing time will be rejected and returned to the bidder unopened. The Bid shall be for:

BID NO. 2014-40 – CELL CONSTRUCTION, CELL 5-A, EDINBURG REGIONAL SANITARY LANDFILL

The project consists of providing the necessary labor, equipment, supervision, and expertise to prepare the subgrade, and supply, deliver and install geosynthetic materials to the City of Edinburg in accordance with the Technical Specifications and Bid Documents for Cell 5-A of the Edinburg Sanitary Landfill (TCEQ Permit No. 956B).

All equipment, material, and labor must be in accordance with the Specifications. A pre-bid conference will be held on **Thursday, December 12, 2013** at 1:00 p.m. at the Jasman Road Complex located at 8601 N. Jasman Road, Edinburg, Texas. All prospective bidders must attend. Bidders are required to use the printed forms contained in these Contract Documents.

A copy of the Bid Documents will be sent to prospective bidder upon receipt of a check for $150 to Golder Associates at 500 Century Plaza Dr., Suite 190, Houston, TX, 77073. Bid Documents may be examined at the Edinburg Purchasing Office located at 415 West University Drive, Edinburg, Texas 78541 during normal business days (Monday through Friday) between the hours of 8:00 a.m. and 5:00 p.m. and closed on recognized holidays. There will be no charge for addenda; however, addenda will only be issued to plan holders of record. Copies of the Bid Documents may also be examined at the Jasman Road Complex, 8601 N. Jasman Road, Edinburg, Texas 78540.

The City of Edinburg (the City) reserves the right to delete any line item and/or reject any or all bids and to waive informalities therein to determine the lowest or best bid. The Bidders must agree that such deletion or rejection shall be without liability on the part of the City for any penalty brought by the Bidder because of such deletion or rejection, nor shall the Bidder seek any recourse of any kind against the City because of such rejection. The filing of the bid in response to this invitation shall constitute an agreement of the Bidder to these conditions.

No Bidder may withdraw his bid for a period of sixty (60) days following the Bid Date.

CITY OF EDINBURG, BID NUMBER 2014-40
CELL CONSTRUCTION
CELL 5A, EDINBURG SANITARY LANDFILL

SECTION 00002 – INSTRUCTIONS TO BIDDERS

REVISION 1

R. "Working Day" is defined as any day, Monday through Sunday, on which weather (or other conditions not under the control of Contractor) permits the performance of the principle unit or a majority of the work then underway for a continuous period of not less than 7 hours between 6:00 AM and 10:00 PM or for a period of 7 hours in the aggregate between the above mentioned hours.

PART 3 - DIVISION OF WORK IN TECHNICAL SPECIFICATIONS

The Technical Specifications are separated into divisions only for convenience in defining the Work and shall not require the Contractor to employ any particular craft or skill unless otherwise specifically required by the Contract or applicable law.

PART 4 - INTERPRETATION OF CONTRACT DOCUMENTS

A. The Bidder shall familiarize itself with the proposed Work to ensure the fulfilment of the intent of these Contract Documents.

B. If Bidder is in doubt as to the true meaning of any part of these Contract Documents, they shall promptly request the Engineer for an interpretation thereof.

C. Interpretations will be made only by an addendum, issued only by the Engineer. A copy of each addendum will be transmitted via email or delivered to each party who has received the Contract Documents. Receipt of these addenda must be acknowledged in the space designated in the Bid.

D. No interpretation addenda will be issued within the last three days before the Bid Date.

PART 5 - WITHDRAWAL OF A BID

The Bidder may not withdraw its Bid during the Sixty (60) day period following the Bid Date. The Bid may be withdrawn at any time prior to the Bid Date.

PART 6 - EXPERIENCE AND FINANCIAL STATEMENTS

A. The only Bids that will be considered are those which are offered by Bidders (including their subcontractors) who can show evidence of their satisfactory completion of work of the type and size comparable to the Work covered by these Contract Documents for the past 5 years within the State of Texas or within any other state(s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas". Please be sure to include a valid client contact name and telephone number for the most recent projects (within the past 2 years).

B. A list of such work that has been performed within the State of Texas or within state(s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas."

C. Additional information shall be made immediately available to the City upon request.

PART 7 - LAWS AND REGULATIONS

The Bid shall be made and the Work performed in accordance with all applicable federal, state, county, and municipal laws, regulations, and ordinances.

PART 8 - SPECIFICATION OF PARTICULAR EQUIPMENT OR MATERIAL

A. The Bid must be based on the materials and equipment specifically mentioned by name in the Technical Specifications.

B. The Bidder may not propose the use of equal or better material or equipment provided that the requirements of the Work are met. No such proposal shall be considered unless written request has been received by the City ten days prior to the Bid Date. If such proposal is acceptable, the City's approval will be set forth by addendum issued by the City to that effect.

C. If the successful Bid is based on materials which do not meet the Specifications, the Bidder shall be required to supply and install materials which do meet the Specifications, at no additional cost to the City.

PART 9 - SUBCONTRACTORS AND SUPPLIERS

A. The Bid shall include a list of subcontractors and their relative experience within the State of Texas or within any other state (s) with similar rules, regulations and liner construction procedures that meet or exceed those of the State of Texas, and suppliers of principal items of material and equipment proposed for use in the Work

B. This list will be considered in the evaluation of the Bids.

C. Such list of the subcontractors and suppliers is deemed to be a condition of the Contract, and no change will be permitted without the prior written approval of the City.

PART 10 - CONSTRUCTION EQUIPMENT

The Bid shall include a complete list of all equipment owned or rented by the Bidder which will be used to perform the work. The equipment stated within the Bid shall be provided and utilized by the Bidder.

PART 11 - ALTERNATE BID

The Bidder shall respond to the Technical Specifications. No alternate bid to accomplish the Work shall be submitted.

PART 12 - PROGRESS SCHEDULE

The Bidder shall include an estimated progress schedule with the Bid. This schedule shall be related to the entire project and to the sequence of work defined in Section 01007, and shall indicate the estimated dates for the start and completion of the various stages of the Work.

PART 13 - EXECUTION AND DELIVERY OF THE BID

A. The Bidder has been furnished one set of the Contract Documents containing two copies of the Bid (Section 00003). The Bidder shall submit his Bid by completing, and signing in ink, both copies of the Bid and shall:

1. Remove and deliver to the address designated in this Invitation to Bid that copy marked "CITY COPY".

2. Retain that copy of the Bid marked "BIDDER COPY".

B. Partnership Bids shall be signed in the partnership name, by a general partner.

C. Corporation Bids shall be signed in the name of the corporation, by an authorized officer of the corporation.

D. Names and titles of all persons signing shall be typed or printed below their signatures.

E. The Bid shall be sealed in an envelope marked with the Contract title, and Bid Number, the name and address of the Bidder, and the Bidder's license number (in states where required) and delivered to the address designated in this Invitation to Bid.

F. The Bid Document envelope should include the name and address of the Technical Representative of the Company to receive the bids. Immediately below the recipient's name and address, the bidder shall note:

"BID DOCUMENT; DO NOT OPEN UNTIL (December 23, 2013)".

The opening date and time shall be as specified in the request for bid.

G. The Bid shall be accompanied by a letter, executed by an authorized representative of a corporate surety satisfactory to the City, stating that the Performance and Payment Bond will be furnished by the surety company to the Bidder in the event it is awarded the Contract. A certified and effectively dated copy of such representative's power of attorney shall be attached to such letter.

H. The Bidder to whom the Contract shall have been awarded will be required to execute and deliver three (3) copies of the Contractor Agreement on the form attached hereto (Section 00004). Contractor Agreement forms, including insurance forms, and safety forms, shall also be provided in triplicate for all proposed subcontractors. In case of its refusal or failure to do so within ten (10) days after the date of mailing, telegraphing or delivery of written notice of such award, Bidder will be considered to have abandoned all its rights and interests in the award. The award may then be made to the next best qualified Bidder or the Work re-advertised for Bid as the City may elect.

PART 14 - AWARD OF CONTRACT

A. Only Bids with a firm price, properly executed will be considered.

B. Bids containing defects, irregularities, or informalities shall be subject to rejection at the discretion of the City.

C. The City reserves the exclusive right to determine whether a Bidder is qualified.

D. The City reserves the right to determine which, if any, Bid is best, to determine which bid items will be used, or to reject any or all Bids. The City also reserves the right to add or delete work items as the project progresses.

PART 15 - CONTRACT

A. Notwithstanding any entirety or similar clauses contained in any of the Contract Documents, upon execution of the Contractor Agreement, the Contract Documents shall constitute the entire agreement between the parties thereto, and the Bidder shall not claim any modification thereof resulting from any representation or promise made at any time by any officer, agent or employee of the City or any other person.

B. As security for the faithful performance of the Contract and within ten (10) days from the date of delivery of notice of acceptance of the Bid, Contractor shall furnish a Statutory Performance and Payment Bond (the "Bond") in the form set forth in Section 00005 and in an amount equal to the Contract Price, together with a certificate executed by an officer of the surety issuing the Bond stating that all premiums for the Bond have been paid in full.

PART 16 - TAXES

The Contractor will pay any sales or use or other taxes applicable to the Work.

CITY OF EDINBURG, BID NUMBER 2014-40
CELL CONSTRUCTION
CELL 5A, EDINBURG SANITARY LANDFILL

SECTION 00003 – BID FORM

REVISION 1

SECTION 00003
BID

(BIDDER'S COPY)

Contract Title: City of Edinburg, Bid Number 2014-40, Construction of Cell 5-A, Edinburg Sanitary Landfill, (MSW Permit No 956 B).

Name of Bidder: _____

Address of Bidder: _____

If Bidder is a corporation, list all shareholders owning 5% or more of the Bidder's stock.

_____

If Bidder is a partnership, list all partners. _____

_____

Pursuant to and in compliance with the Invitation to Bid and the Instructions to Bidder relating hereto, the undersigned as a Bidder proposes and agrees to furnish and complete at the site the services specified in the Contract Documents, in the manner therein prescribed and in accordance with all addenda issued by the City prior to the opening of Bids, for the sum as defined below. Bidders are advised that all items of work required for project construction which are not specifically listed as pay items shall be considered incidental to the unit or lump sum prices bid for the items to which they pertain. This includes but is not limited to: removal of trash and debris; excavation; sheeting; shoring; structural engineering analysis; dewatering; hauling; bedding and backfill including soil, cement stabilized sand and bank sand in accordance with the Contract Documents; barricades, signs and other traffic control measures including flagmen; testing and all facilities and materials required for same; any costs for access to work area; arrangements for field offices or equipment storage space; water, power, gas, telephone, sanitary facilities, and office for Contractor personnel; water meters and tap fees; relocation/abandonment of private utilities for Contractor's convenience.

The Bidder acknowledges, represents and covenants:

A. That the Bid includes all applicable taxes.

B. That if conflicts exist between the City's specification and the Bidder's Bid, the City's specification shall control.

C. That it has received Addenda Nos. ____, ____, ____, ____ to the Contract Documents.

D. That this Bid is based upon using qualified labor for all field work done under the Contract.

E. That it has made a careful examination of the location of the Work, and determined the amount and character of the Work and the equipment and materials necessary to complete the same in compliance with the Contract Documents, and has become acquainted with labor conditions and all other conditions which would affect the Work and shall complete the Work in and under conditions it may encounter or create, without delay or extra cost to the City.

F. That this Bid is in all respects fair and is made in good faith, without collusion or fraud.

G. That if written notice of the acceptance of this Bid is mailed, telegraphed, or delivered to the Bidder within thirty days after the Bid Date, Bidder will, within ten days after the date of such mailing, telegraphing, or delivering of such notice, execute and deliver the Contractor Agreement together with the required Performance and Payment Bond.

H. Notwithstanding any entireties or similar clauses contained in any of the Contract Documents, upon Company's acceptance of the Bid and the execution of the Contractor Agreement by the City and the Bidder, the Contractor shall be bound by all terms and conditions contained in the Contract Documents as defined in the Instructions to Bidder.

I. <u>COMPLETION SCHEDULE</u>

Number of calendar days to complete work as of the date indicated when the Notice to Proceed is issued: 65

The entire project shall be substantially complete by April 2, 2014. Refer to Section 01007, Sequence of Work and Working Hours for additional explanations.

An estimated progress schedule shall be submitted with the Bid. This initial estimated schedule, submitted with the bid, shall be conceptual, but assure construction completion within the required time. Detailed scheduling shall be required just prior to construction. Refer to Section 00006, 1.11 - Progress Schedule for additional explanations.

The Bidder invites attention to the following work that has been completed under his direction to include at least five similar projects:

Project Location	**Contact Person**	**Telephone No.**

Contractor shall attach a list of all equipment he proposes to use on this project including size, type, number, etc. Contractor shall also indicate which equipment is owned and which is rented. Failure to submit equipment list may be grounds for rejection of bid.

Contractor shall attach a rate schedule for various classes of personnel and equipment that will be used for this project. The rate schedule shall be used along with the Unit Prices for Extra Work to pay for extra work ordered by the City. The City reserves the right to negotiate the price or use force account for extra work and not use the rate schedules.

SIGNATURE OF BIDDER

_____

BY_____

TITLE_____

ADDRESS_____

_____

Dated:

_____

Cell Construction
Cell 5-A, Edinburg Sanitary Landfill (MSW Permit No. 956B)

Item		Unit	Quantity	Unit Price	Total
Cell 5-A, Edinburg Sanitary Landfill					
(Pay Item Numbers refer to Division II, Section 1025, Technical Specifications)					
Material Supply (No overlap/waste factor has been added to the Geosynthetic Pay Items. The Contractor must estimate and supply sufficient material for the area to be covered.)					
Pay Item 1	Reinforced Geosynthetic Clay Liner	SF	344,157	$_____	$_____
Pay Item 2	Textured Geomembrane	SF	344,157	$_____	$_____
Pay Item 3	Double Sided Geocomposite	SF	344,157	$_____	$_____
Pay Item 4	Sump Liner & Add'l. Geosynthetics	LS	1	$_____	$_____
			Material Supply Subtotal		**$**_____
Earthworks					
Pay Item 5	Excavation/Subgrade Prep.	CY	14,938	$_____	$_____
Pay Item 6	Fill Placement/Subgrade Prep.	CY	19,840	$_____	$_____
Pay Item 7	Underdrain Installation	LS	1	$_____	$_____
Pay Item 8	Leachate Drain	LF	806	$_____	$_____
Pay Item 9	Underdrain/Leachate Collection Sump	LS	1	$_____	$_____
Pay Item 10	Protective Cover Placement	CY	25,209	$_____	$_____
Pay Item 11	Chimney Drains	EA	30	$_____	$_____
Pay Item 12	Construction Pumps and Dewatering	LS	1	$_____	$_____
Pay Item 13	Excavate / Backfill Anchor Trench	LF	352	$_____	$_____
Pay Item 14	Drainage Improvements	LS	1	$_____	$_____
Pay Item 15	Over-Excavation and Backfill	CY	4000	$_____	$_____
			Earthworks Subtotal		**$**_____

Geosynthetics Installation

Pay Item 16	Reinforced Geosynthetic Clay Liner	SF	344,157	$_____	$_____
Pay Item 17	Textured Geomembrane	SF	344,157	$_____	$_____
Pay Item 18	Double Sided Geocomposite	SF	344,157	$_____	$_____
Pay Item 19	Sump Liner & Add'l. Geosynthetics	LS	1	$_____	$_____
Pay Item 20	Liner Tie-In Exposure & Welding	LF	966	$_____	$_____
Pay Item 21	Leachate Collection Pump & Control Panel (supply and install)	LS	1	$_____	$_____
Pay Item 22	Three Spare Leachate Collection Control Panels and Two Pumps (supply only)	LS	1	$_____	$_____

Geosynthetics Installation Subtotal **$_____**

General (Applies to entire contract amount for all sub-units combined)

Pay Item 23	Mobilization/Demobilization	LS	1	$_____	$_____
Pay Item 24	Bond	LS	1	$_____	$_____
Pay Item 25	Fencing	LF	4500	$_____	$_____
			Subtotal		**$**_____

TOTAL **$**_____

SECTION 00003
BID

(CITY'S COPY)

Contract Title: City of Edinburg, Bid Number 2014-40, Construction of Cell 5-A, Edinburg Sanitary Landfill, (MSW Permit No 956 B).

Name of Bidder: _____

Address of Bidder: _____

If Bidder is a corporation, list all shareholders owning 5% or more of the Bidder's stock.

_____

If Bidder is a partnership, list all partners. _____

_____

Pursuant to and in compliance with the Invitation to Bid and the Instructions to Bidder relating hereto, the undersigned as a Bidder proposes and agrees to furnish and complete at the site the services specified in the Contract Documents, in the manner therein prescribed and in accordance with all addenda issued by the City prior to the opening of Bids, for the sum as defined below. Bidders are advised that all items of work required for project construction which are not specifically listed as pay items shall be considered incidental to the unit or lump sum prices bid for the items to which they pertain. This includes but is not limited to: removal of trash and debris; excavation; sheeting; shoring; structural engineering analysis; dewatering; hauling; bedding and backfill including soil, cement stabilized sand and bank sand in accordance with the Contract Documents; barricades, signs and other traffic control measures including flagmen; testing and all facilities and materials required for same; any costs for access to work area; arrangements for field offices or equipment storage space; water, power, gas, telephone, sanitary facilities, and office for Contractor personnel; water meters and tap fees; relocation/abandonment of private utilities for Contractor's convenience.

The Bidder acknowledges, represents and covenants:

A. That the Bid includes all applicable taxes.

B. That if conflicts exist between the City's specification and the Bidder's Bid, the City's specification shall control.

C. That it has received Addenda Nos. ____, ____, ____, ____ to the Contract Documents.

D. That this Bid is based upon using qualified labor for all field work done under the Contract.

E. That it has made a careful examination of the location of the Work, and determined the amount and character of the Work and the equipment and materials necessary to complete the same in compliance with the Contract Documents, and has become acquainted with labor conditions and all other conditions which would affect the Work and shall complete the Work in and under conditions it may encounter or create, without delay or extra cost to the City.

F. That this Bid is in all respects fair and is made in good faith, without collusion or fraud.

G. That if written notice of the acceptance of this Bid is mailed, telegraphed, or delivered to the Bidder within thirty days after the Bid Date, Bidder will, within ten days after the date of such mailing, telegraphing, or delivering of such notice, execute and deliver the Contractor Agreement together with the required Performance and Payment Bond.

H. Notwithstanding any entireties or similar clauses contained in any of the Contract Documents, upon Company's acceptance of the Bid and the execution of the Contractor Agreement by the City and the Bidder, the Contractor shall be bound by all terms and conditions contained in the Contract Documents as defined in the Instructions to Bidder.

I. <u>COMPLETION SCHEDULE</u>

Number of calendar days to complete work as of the date indicated when the Notice to Proceed is issued: 65 days.
The entire project shall be substantially complete by April 2, 2014. Refer to Section 01007, Sequence of Work and Working Hours for additional explanations.

An estimated progress schedule shall be submitted with the Bid. This initial estimated schedule, submitted with the bid, shall be conceptual, but assure construction completion within the required time. Detailed scheduling shall be required just prior to construction. Refer to Section 00006, 1.11 - Progress Schedule for additional explanations.

The Bidder invites attention to the following work that has been completed under his direction to include at least five similar projects:

Project Location	**Contact Person**	**Telephone No.**

Contractor shall attach a list of all equipment he proposes to use on this project including size, type, number, etc. Contractor shall also indicate which equipment is owned and which is rented. Failure to submit equipment list may be grounds for rejection of bid.

Contractor shall attach a rate schedule for various classes of personnel and equipment that will be used for this project. The rate schedule shall be used along with the Unit Prices for Extra Work to pay for extra work ordered by the City. The City reserves the right to negotiate the price or use force account for extra work and not use the rate schedules.

SIGNATURE OF BIDDER

_____

BY_____

TITLE_____

ADDRESS_____

_____

Dated:

_____

Section 0003 - Bid Form
CITY'S COPY

Cell Construction
Cell 5-A, Edinburg Sanitary Landfill (MSW Permit No. 956B)

Item		Unit	Quantity	Unit Price	Total
Cell 5-A, Edinburg Sanitary Landfill					
(Pay Item Numbers refer to Division II, Section 1025, Technical Specifications)					
Material Supply (No overlap/waste factor has been added to the Geosynthetic Pay Items. The Contractor must estimate and supply sufficient material for the area to be covered.)					
Pay Item 1	Reinforced Geosynthetic Clay Liner	SF	344,157	$_____	$_____
Pay Item 2	Textured Geomembrane	SF	344,157	$_____	$_____
Pay Item 3	Double Sided Geocomposite	SF	344,157	$_____	$_____
Pay Item 4	Sump Liner & Add'l. Geosynthetics	LS	1	$_____	$_____
			Material Supply Subtotal		$_____
Earthworks					
Pay Item 5	Excavation/Subgrade Prep.	CY	14,938	$_____	$_____
Pay Item 6	Fill Placement/Subgrade Prep.	CY	19,840	$_____	$_____
Pay Item 7	Underdrain Installation	LS	1	$_____	$_____
Pay Item 8	Leachate Drain	LF	806	$_____	$_____
Pay Item 9	Underdrain/Leachate Collection Sump	LS	1	$_____	$_____
Pay Item 10	Protective Cover Placement	CY	25,209	$_____	$_____
Pay Item 11	Chimney Drains	EA	30	$_____	$_____
Pay Item 12	Construction Pumps and Dewatering	LS	1	$_____	$_____
Pay Item 13	Excavate / Backfill Anchor Trench	LF	352	$_____	$_____
Pay Item 14	Drainage Improvements	LS	1	$_____	$_____
Pay Item 15	Over-Excavation and Backfill	CY	4000	$_____	$_____
			Earthworks Subtotal		$_____

Geosynthetics Installation

Pay Item 16	Reinforced Geosynthetic Clay Liner	SF	344,157	$_____	$_____
Pay Item 17	Textured Geomembrane	SF	344,157	$_____	$_____
Pay Item 18	Double Sided Geocomposite	SF	344,157	$_____	$_____
Pay Item 19	Sump Liner & Add'l. Geosynthetics	LS	1	$_____	$_____
Pay Item 20	Liner Tie-In Exposure & Welding	LF	966	$_____	$_____
Pay Item 21	Leachate Collection Pump & Control Panel (supply and install)	LS	1	$_____	$_____
Pay Item 22	Three Spare Leachate Collection Control Panels and Two Pumps (supply only)	LS	1	$_____	$_____

Geosynthetics Installation Subtotal **$_____**

General (Applies to entire contract amount for all sub-units combined)

Pay Item 23	Mobilization/Demobilization	LS	1	$_____	$_____
Pay Item 24	Bond	LS	1	$_____	$_____
Pay Item 25	Fencing	LF	4500	$_____	$_____
			Subtotal		**$**_____

TOTAL **$**_____

+

CITY OF EDINBURG, BID NUMBER 2014-40
CELL CONSTRUCTION
CELL 5A, EDINBURG SANITARY LANDFILL
SECTION 01025 – MEASUREMENT & PAYMENT

REVISION 1

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

1) Unless specified as a Lump Sum item, all Contract prices shall be based on a price per unit of measurement for materials and services. The Contract Price shall be adjusted for the actual quantities required as approved by the City.

2) The Contractor shall take all measurements and compute all preliminary pay quantities, using methods sufficiently accurate to satisfy the City.

3) The City shall verify all measurements and determine final pay quantities.

4) Payment shall only be made for Work as specifically described in these Specifications and Section 00003-Bid. All other work shall be considered incidental to the Work. No payment shall be made for defective work or work beyond the lines and grades of the required Work.

5) Payment shall only be made for approved, in-place materials and Work, unless specifically permitted otherwise by these Specifications.

1.02 REFERENCES

A. Section 00003-Bid.

PART 2 - PRODUCTS (not applicable)

PART 3 – EXECUTION

3.01 UNIT PRICE SCHEDULE

A. See Section 00003-Bid.

3.02 CONTRACT PAY ITEMS – CELL 5-A, TYPE I FACILITY (Permit No. 956-B)

A. Pay Item 1 – Reinforced Geosynthetic Clay Liner (Hydr. Cond. $\leq 5 \times 10^{-9}$ cm/s)

1. Measurement

The work for this item shall be measured on the basis of supplying the reinforced GCL. The quantity of reinforced GCL shall be the square footage area as stated in Section 00003 – Bid Form of theses contract documents. Reinforced GCL for this item shall conform to Section 02405 – Geosynthetic Clay Liner for Permit No. 956B. No additional allowances shall be permitted for shrinkage, swelling, or unauthorized Reinforced GCL delivered beyond the quantity of Reinforced GCL as set forth by the Drawings or Specifications.

2. Payment

The Contract Unit Price per Square Foot (SF) for Reinforced GCL shall be full compensation for the supply of Reinforced GCL including all Reinforced GCL, labor, material, equipment, and other incidentals, such as unloading and stocking at the project site, as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final Payment shall be based upon the satisfactory evidence of the quantity manufactured, delivered, and unloaded at the project site provided by the Contractor and verified by the City.

B. Pay Item 2 – Textured Geomembrane:

1. Measurement

The work for this item shall be measured on the basis of supplying the Textured Geomembrane. The quantity of Textured Geomembrane shall be the square footage area as stated in Section 00003 – Bid Form of theses contract documents. Textured Geomembrane for this item shall conform to Section 02410 – Polyethylene (HDPE) Membrane Liner. No additional allowances shall be permitted for shrinkage, swelling, or unauthorized geomembrane delivered beyond the quantity of Textured Geomembrane as set forth by the Drawings or Specifications.

2. Payment

The Contract Unit Price per Square Foot (SF) for Textured Geomembrane shall be full compensation for the supply of Textured Geomembrane including all Textured Geomembrane, labor, material, equipment, and other incidentals, such as unloading and stocking at the project site, as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final Payment shall be based upon the satisfactory evidence of the quantity manufactured, delivered, and unloaded at the project site provided by the Contractor and verified by the City.

C. Pay Item 3 – Double Sided Geocomposite

1. Measurement

The work for this item shall be measured on the basis of supplying the Double Sided Geocomposite. The quantity of Double Sided Geocomposite shall be the square footage area as stated in Section 00003 – Bid of theses contract documents. Double Sided Geocomposite for this item shall conform to Section 02420 – Geocomposite (Geotextile/Geonet). No additional allowances shall be permitted for shrinkage, swelling, or unauthorized Double Sided Geocomposite delivered beyond the quantity of Double Sided Geocomposite as set forth by the Drawings or Specifications.

2. Payment

The Contract Unit Price per Square Foot (SF) for Double Sided Geocomposite shall be full compensation for the supply of Double Sided Geocomposite including all Double Sided Geocomposite, labor, material, equipment, and other incidentals, such as unloading and stocking at the project site, as required to

comply with the Drawings and Specifications (unless specifically identified as a pay item). Final Payment shall be based upon the satisfactory evidence of the quantity manufactured, delivered, and unloaded at the project site provided by the Contractor and verified by the City.

D. Pay Item 4 – Sump Liner and Additional Geosynthetics:

1. Measurement

The Work for this item shall be measured on the basis of supplying the Geomembrane and Additional Geosynthetics for the leachate collection system sump which are in addition to the primary geosynthetics liner to be installed through the sump. This item includes: a geosynthetic clay liner; a 2-inch thick HDPE plate; textured geomembrane, and additional non-welded textured rub sheets below riser pipes. The Work for this item does not include the supply of Geotextile for encapsulating the underdrain and leachate collection sump gravel. The Geotextile for encapsulating the sump gravel is measured and paid under the bid item for "Underdrain/Leachate Collection Sump." The quantity of Sump Liner and Additional Geosynthetics shall be the square footage area as set forth in the Drawings or Specifications.

2. Payment

The Contract Lump Sum Price for Sump Liner and Additional Geosynthetics shall be full compensation for the supply of Sump Liner and Additional Geosynthetics, including all labor, material, equipment and other incidentals as required to comply with the Drawings and Specifications. Final payment shall be made based upon the provision satisfactory evidence of the quantity manufactured, delivered and unloaded at the Project Site, provided by the Contractor and verified by the City.

E. Pay Item 5 – Excavation/Subgrade Preparation:

1. Measurement

The volume of Excavation/Subgrade Preparation needed to achieve base grades shown on the Drawings shall be calculated by 3-Dimensional Model based on the topography of ground surface before and after grading within the limits of excavation as shown on the Drawings. Subgrade preparation will be limited to final grading and maintaining the top six (6) inches of subgrade material to facilitate installation of the GCL. No additional allowances shall be permitted for shrinkage, swelling, creep or unauthorized over-excavations beyond the approved depth or limits of excavation. The City shall estimate the actual volume of material excavated as shown by the 3-Dimensional Model and shall produce Record Drawings of the ground surface before and after grading.

2. Payment

The Contract Unit Price per cubic yard (CY) for Excavation/Subgrade Preparation shall be full compensation for Excavation and Subgrade Preparation including all labor, material, equipment, and other incidentals, such as haul road construction and maintenance, dewatering, stockpiling and stockpile maintenance, dust control, and erosion and sedimentation control materials and

practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final payment shall be based on the volume calculated from a physical survey as shown on approved Record Drawings.

F. Pay Item 6 –Fill Placement/Subgrade Preparation:

1. Measurement

The volume of compacted, in-place Fill Placement/Subgrade Preparation needed to achieve base grades shown on the Drawings shall be calculated by 3-Dimensional Model based on topographic surveys of the ground surface before and after placement and compaction of fill within the limits of the area to receive fill as shown on the Drawings (including the south perimeter berm construction). Fill shall conform to the requirement of included in "Filling" in Section 02210 - Excavation/Rough Grading. Subgrade Preparation shall conform to Section 02222 – Subgrade Preparation in Permit No. 956B. The City shall estimate the actual volume of Fill required for Fill as shown by the 3-Dimensional Model and shall produce Record Drawings of the ground surface before and after placement and compaction of Structural Fill.

2. Payment

The Contract Unit Price per Cubic Yard (CY) for Fill/Subgrade Preparation shall be full compensation for Structural Fill, including all labor, material (obtained from on-site sources), equipment, and other incidentals, such as, fine grading, stockpile grading and maintenance, dewatering, dust control, and erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final payment shall be based on the volume calculated from a physical survey as shown on approved Record Drawings.

G. Pay Item 7 – Underdrain Trench

1. Measurement

The quantity of Underdrain Trench shall be the surveyed length measured along the approved in place underdrain centerline. No additional allowance shall be permitted for unauthorized underdrain trench beyond the limits as set forth in the Drawings or Specifications. The City shall estimate the actual length of both underdrain as directed by this specification and shall show the locations and dimensions on Record Drawings.

2. Payment

The contract Lump Sum Price for Underdrain Trench shall be full compensation for underdrain including excavation, gravel (Section 02246) and filter geotextile (Section 02415), labor, equipment and other incidentals as required to comply with the Drawings and Specifications.

H. Pay Item 8 - Leachate Drain:

1. Measurement

The quantity of 6-inch Leachate Collection Header Piping shall be measured along the central axis of the diameter of approved, in-place, perforated, 6-inch diameter, SDR-17 HDPE Leachate Collection Header Piping. No additional allowances shall be permitted for wyes, tees, bends, valves, fittings, or other special or unauthorized piping or fittings beyond the limits of 6-inch Leachate Collection Header Piping as set forth on the Drawings or Specifications.

2. Payment

The Contract Unit Price per Linear Foot (LF) for Leachate Collection Header Piping shall be full compensation for Leachate Collection Header Piping (Section 06630), including all excavation, filter geotextile (Section 02415), gravel (Section 02246), bedding, backfill, fittings, connections to existing pipe, labor, material, equipment, and other incidentals as required to comply with the Drawings and Specifications. Final Payment shall be based upon the length calculated from a physical survey as shown on an approved Record Drawing.

I. Pay Item 9 - Underdrain/Leachate Collection Sump

1. Measurement

The Work for this item shall be measured on the basis of supplying and installing the Upslope Risers, Cleanout, Discharge Station, Sump Earthwork, Gravel and Geotextile in accordance with the Drawings and Specifications. Upslope Risers shall consist of one 18-inch, SDR-17, HDPE extraction riser with perforations and angles to the limits and locations shown on the Drawings; one 6-inch SDR-17, HDPE clean-out riser with perforations and angle to the limits and at the location shown on the Drawings; and one 6-inch SDR-17 HDPE underdrain riser with perforation and angle to the limits and the location shown on the Drawings. All pipe shall include an end cap and conform to the requirements of Section 06630 High Density Polyethylene Pipe. Geotextile shall conform to the requirements of Geotextile of Section 02415 - Gravel shall conform to the requirements of Section 02246-Drainage Stone.

2. Payment

The Lump Sum Price for Underdrain/Leachate Collection Sump shall be full compensation for Earthwork, Upslope Risers, Cleanout, and Geotextile, including all labor, material, equipment and other incidentals as required for the sump to comply with the Drawings and Specifications. Final payment shall be made based upon satisfactory evidence of the supply, delivery, and unloading of the Up-Slope Risers, Cleanout, and Geotextile provided by the Contractor and approved by the City.

J. Pay Item 10 – Protective Cover Placement

1. Measurement

The volume of protective cover shall be calculated by multiply the measured plan area of approved protective cover (appropriately adjusted for slope), by a 2.0-ft thickness. Protective Cover shall conform to the requirements of Section 02727 – Protective Soil Cover.

2. Payment

The Contract Unit Price per Cubic Yard (CY) for Protective Cover shall be full compensation for Protective Cover, including all labor, equipment, excavation and hauling of soil from cell excavation area, and other incidentals, such as fine grading, dust control, erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final payment shall be based on the volume calculated from a physical survey as shown on approved Record Drawings.

K. Pay Item 11 – Chimney Drains

1. Measurement

The Work for this item shall be measured on the basis of supplying and installing the Gravel and Geotextile in accordance with the Drawings and Specifications. Chimney Drains shall consist of geotextile, conforming to the requirements of Section 02415, and gravel conforming to the requirements of Section 02246-Drainage Stone.

2. Payment

The Unit Price for Chimney Drains shall be full compensation for Earthwork, supply of gravel, and Geotextile, including all labor, material, equipment and other incidentals as required for the Chimney Drains to comply with the Drawings and Specifications. Final payment shall be made based upon satisfactory evidence of the installation of each Chimney Drain provided by the Contractor and approved by the City.

L. Pay Item 12 – Construction Pumps and Dewatering

1. Measurement

The Work for this item shall be measured on the basis of satisfactory evidence of providing Temporary Facilities and Controls which are required to prevent or remove surface water drainage or groundwater seepage in the project area, even if those Temporary Facilities and Controls are not specifically defined in the Drawings or Specifications. Work may include specific requests made by the Owner to remove rainwater and silt from the surfaces of the completed subgrade and the geomembrane until the time when the leachate collection system is installed.

2. Payment

The Contract Lump Sum (LS) Price for construction pumps and dewatering shall be full compensation for Construction Pumps and Dewatering (groundwater and rainwater management), including all labor, material, equipment, and other incidentals, such as haul road construction and maintenance, dewatering, stockpile grading and maintenance, and erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Payment for this item shall be made in the same manner and proportions as the payment for Mobilization/Demobilization.

M. Pay Item 13 – Excavate / Backfill Anchor Trench

1. Measurement

The length of Excavate / Backfill anchor trench shall be the surveyed length measured along the approved in place anchor trench centerline. No additional allowance shall be permitted for unauthorized anchor trench beyond the limits as set forth in the Drawings or Specifications. The City shall estimate the actual length of both underdrain and primary liner system anchor trench as directed by this specification and shall show the locations and dimensions on Record Drawings.

2. Payment

The contract Unit Price per linear foot (LF) for anchor trench shall be full compensation for anchor trench including excavation, backfill and compaction, labor, equipment and other incidentals as required to comply with the Drawings and Specifications. Final payment shall be based on the length calculated from a physical survey as shown on an approved Record Drawing.

N. Pay Item 14 – Drainage Improvements

1. Measurement

The Work for this item shall be measured on the basis of satisfactory evidence of providing the drainage improvements requested by the City. Work may include specific requests made by the Owner to remove silt and sediment and to re-grade certain drainage ditches at the landfills.

2. Payment

The Lump Sum Price for Drainage Improvements shall be full compensation for earthwork, including all labor, material, equipment and other incidentals as required to de-silt and re-grade certain drainage ditches to comply with the Drawings and Specifications. Final payment shall be made based upon satisfactory evidence of the de-silting and re-grading of each drainage ditch by the Contractor and approved by the City.

O. Pay Item 15 Over-Excavation and Backfill

1. Measurement

The volume of over-excavation and backfill required to remove and replace soft or wet subgrade soil and to return the excavated area to the base grades shown on the drawings shall be based on a field measurement made by the Engineer of the over-excavation area. Backfill shall be placed in accordance with section 02210, Part 3 of the Soil and Liner Quality Control Plan. No additional allowances shall be permitted for shrinkage, swelling, creep or unauthorized over-excavations beyond that approved by the Engineer.

2. Payment

The Contract Unit Price per cubic yard (CY) for Over-Excavation and Backfill shall be full compensation for Over-Excavation and Backfill including all labor, material, equipment, and other incidentals, such as haul road construction and maintenance, dewatering, stockpiling, and stockpile maintenance, dust control and erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final payment shall be based on the volume calculated from a field measurement made by the Engineer or from a physical survey.

P. Pay Item 16 – Reinforced Geosynthetic Clay Liner

1. Measurement

The work for this item shall measured on the basis of installing the reinforced GCL. The area of in-place reinforced GCL shall be the measured plan area of approved GCL appropriately adjusted for slope and based on a topographic survey of the finished GCL surface providing at least the minimum specified overlap of seams as shown on the Drawings. Reinforced GCL for this item shall conform to Section 02405 – Geosynthetic Clay Liner. No additional allowances shall be permitted for shrinkage, swelling, creep or unauthorized Reinforced GCL placed beyond the limits of GCL as set forth by the Drawings or Specifications or for excessive overlap of seams. The City shall estimate the actual area of Reinforced GCL as directed by this Specification and shall produce Record Drawings of the ground surface before and after placement of Reinforced GCL.

2. Payment

The Contract Unit Price per Square Foot (SF) for Reinforced GCL shall be full compensation including all Reinforced GCL, labor, material, equipment, and other incidentals, such as haul road construction and maintenance, dewatering, stockpile grading and maintenance, and erosion and sedimentation control materials and practices as required to comply with the Drawings and Specifications (unless specifically identified as a pay item). Final Payment shall be based upon the area calculated from a physical survey as shown on an approved Record Drawing.

Q. Pay Item 17 –Textured Geomembrane:

1. Measurement

The work for this item shall be measured on the basis of installing the textured geomembrane. The area of Textured HDPE geomembrane shall be calculated as the measured plan area of approved Geomembrane, appropriately adjusted for slope and based on a topographic survey of the finished geomembrane to either the inside edge of anchor trench or the outer edge of Geomembrane provided for tie-in to future construction or the tie-in seam to other geomembrane in the same cell or an adjacent cell. The geomembrane shall conform to Section 02410 Geomembrane Liner (HDPE). No additional allowances for seams, overlaps, patches, tie-ins to existing liners, shrinkage, swelling, creep or unauthorized material placed beyond the depths or limits of textured HDPE geomembrane as set forth on the Drawings or Specifications shall be permitted. The City shall estimate the actual area of textured HDPE geomembrane installed as directed by this Specification and shall produce Record Drawings of the installed Geomembrane delineating the area of textured geomembrane.

2. Payment

The Contract Unit Price per Square Foot (SF) for textured HDPE geomembrane shall be full compensation for installation of Textured Geomembrane, including all labor, material, equipment, and other incidentals. Final payment shall be based on the area calculated from a physical survey as shown on an approved Record Drawing.

R. Pay Item 18 – Double Sided Geocomposite

1. Measurement

The work for this item shall be measured on the basis of installing the double sided geocomposite. The area of in-place Double-Sided Geocomposite shall be the measured plan area of approved double-sided geocomposite, appropriately adjusted for slope and based on a topographic survey of the finished geomembrane surface across the cell. No additional allowance shall be permitted for anchorage, shrinkage, creep, overlaps, seaming, or unauthorized geocomposite placement beyond the limits set forth in the Drawings or Specifications. Double-Sided Geocomposite paid under this item shall conform to the requirements of Section 02420 – Geocomposite (Geotextile/Geonet). The City shall estimate the actual area of double-sided geocomposite as directed by this specification and shall produce a Record Drawing of the Geocomposite.

2. Payment

The Contract Unit Price per Square Foot (SF) for Double-Sided Geocomposite shall be full compensation for the installation of Double-Sided Geocomposite. Final payment for this item shall be based on the area calculated from a physical survey as shown on an approved Record Drawing.

S. Pay Item 19 – Sump Liner and Additional Geosynthetics:

1. Measurement

The Work for this item shall be measured on the basis of installing the Geomembrane and Additional Geosynthetics for the leachate collection system sump which are in addition to the primary geosynthetic liner to be installed through the sumps. This item includes: a geosynthetic clay liner; a 2-inch thick HDPE plate; textured geomembrane extrusion welded in-place and removal of all trapped air from below the geomembrane prior to completion of extrusion welding; and additional non-welded textured rub sheets below riser pipes. The Work for this item does not include the supply and installation of Geotextile for encapsulating the underdrain and sump gravel. The Geotextile for encapsulating the underdrain and sump gravel is measured and paid under the bid item for "Underdrain/Leachate Collection Sump". The City shall estimate the actual area of Sump Liner and Additional Geosynthetics as directed by this Specification and shall produce a Record Drawing of the Geomembrane surface delineating the areas in which Sump Liner and Additional Geosynthetics were installed.

2. Payment

The Contract Lump Sum Price for Sump Liner and Additional Geosynthetics shall be full compensation for the supply, installation, welding, and testing of Sump Liner and Additional Geosynthetics for both sumps, including all labor, material, equipment and other incidentals as required to comply with the Drawings and Specifications. Final payment shall be made based upon the provision of an approved Record Drawing.

T. Pay Item 20 – Tie-In Exposure & Welding

1. Measurement

The length of Tie-In welding shall be calculated as the measured length of approved tie-in welding and based on an as-built survey of the completed geomembrane tie-in. No additional allowances for cleaning or preparing of the GCL and geomembrane panels for seaming or unauthorized welding placed beyond the limits of the tie-in welding as set forth on the Drawings or Specifications shall be permitted. The City shall estimate the actual length of tie-in as directed by this Specification and shall produce Record Drawings of the installed GCL and Geomembrane delineating the length of tie-in.

2. Payment

The Contract Unit Price Linear Foot (LF) for Tie-In Exposure & Welding shall be full compensation for exposing, cleaning, and preparing the exposed seam for overlapping the new GCL over the existing GCL and tie-in welding of new geomembrane to existing geomembrane, including all labor, material, equipment, and other incidentals. Final payment shall be based on the length calculated from a physical survey as shown on an approved Record Drawing

U. Pay Item 21 – Leachate Collection Pump & Control Panel (supply and install)

1. Measurement

The Work required for this item will be measured on the basis of satisfactory evidence of supply and installation of the leachate collection pump in the 18-in HDPE riser pipe and supply and installation of the control panel. Leachate Collection Pump & Control Panel shall conform to Drawings. Installation of the underdrain pump and control system (both supplied by the owner) will also be cover under this item.

2. Payment

The Contract Lump Sum Price for Leachate Collection Pump & Control Panel shall be full compensation for the supply, installation, and testing of Leachate Collection Pump & Control Panel for the sump, including all labor, material, equipment and other incidentals as required to comply with the Drawings and Specifications.

U. Pay Item 22 – Three Spare Leachate Collection Control Panels and Two Pumps (supply only)

1. Measurement

The Work required for this item will be measured on the basis of satisfactory evidence of the supply of three additional control panels and two additional leachate pumps.

2. Payment

The Contract Lump Sum Price for the Spare Leachate Collection Control Panels and Pumps shall be full compensation for the supply of three additional Leachate Collection Control Panels and two leachate Pumps that comply with the Specifications.

3.04 GENERAL

A. Pay Item 23 – Mobilization/Demobilization

1. Measurement

The Work required for this item will be measured on the basis of satisfactory evidence of mobilization of sufficient labor, equipment and material to adequately advance the Work within Cell 5-A.

2. Payment

The Lump Sum Price for Mobilization and Demobilization shall be payment in full for mobilizing labor, equipment, material and other incidentals to the site, as well as Contractor provided utilities and ongoing related expenses, considered additional for administration of the work. Twenty-five (25) percent of the per Lump Sum price bid will be paid with the first payment request following satisfactory evidence of additional mobilization of sufficient labor, equipment and material to adequately progress the work of this contract. Twenty-five (25) percent of the Lump Sum price bid will be paid with the payment request subsequent to the payment request in which the initial payment for this item is made. Fifty (50) percent of the Lump Sum price bid will be paid with the Final

Payment request. The total price paid for this item in the first two installments shall not exceed six (6) percent of the original Contract.

B. Pay Item 24 - Bond

1. Measurement

The Work required for this item will be measured on the basis of satisfactory evidence of obtaining all bonds required during the course of this project and maintaining those bonds in effect from the time they are required to the time they are no longer required. In accordance with Section 00002, Part 15, Performance and Payment Bonds shall be provided in the amount of the total Bid. Bond shall be provided to the City within 2 weeks (10 days) of the award of the Contract by the City and mobilization to the Site by the Contractor shall not be allowed until the Bond has been provided. In no case shall the work begin without the Performance Bond secured by the Contractor and provided to the City.

2. Payment

The Contract Lump Sum Price for Bond shall be paid in the same manner and proportions as the price for Mobilization/Demobilization.

C. Pay Item 24, Fencing Material, supply only

1. Measurement

The length of Fencing shall be based on providing satisfactory evidence provided to the City documenting the supply and unloading of the required length of fencing materials.

2. Payment

The Contract Unit Price Linear Foot (LF) for Supply of Fencing shall be full compensation for all materials, equipment, labor and other incidentals to supply and off load the new fencing materials. Fencing material shall be in compliance with Section 02822 of the specifications. Final payment shall be based on satisfactory documentation provided by the fencing supplier verifying the quantities of materials delivered to the site.

3.03 INCIDENTALS

Some items are considered incidental to the Work and shall not be measured or paid.

CITY OF EDINBURG, BID NUMBER 2014-40
CELL CONSTRUCTION
CELL 5A, EDINBURG SANITARY LANDFILL

SECTION 00003 – BID FORM

REVISION 1

FIGURE 1 – FACILITY LAYOUT

Encinitos Rd
Cell 5 A
Laydown
Module 8
Jasman Rd
N Gwin Rd
Duckdale Rd
2812
1881 ft
© 2013 Google
© 2013 INEGI
Google earth
Imagery Date: 12/25/2010
1995
26°23'29.45" N 98°07'30.79" W elev 0 ft
Eye alt 8138 ft

TECHNICAL SPECIFICATION
SECTION 02822 - FENCING

SECTION 02822 – FENCING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes
   1. Twelve (12) FOOT King Ranch Wire fence and associated sitework.

1.2 REFERENCES

A. None

1.3 SUBMITTALS

A. None.

1.4 QUALITY ASSURANCE

A. Fencing material, posts, and components, and installation shall conform to the requirements of this Section unless otherwise shown or specified.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this Section with minimum 3 years documented experience.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Steel Posts: 2 ¾ inch steel drill pipe approximately 16 feet in length.

B. Wooden Posts: 6 inch diameter treated wood approximately 16 feet in length.

C. Fencing: Class 3 galvanized; 9 Gauge inside and bottom wire; 6 Gauge top wire; 12" stay opening; 9 horizontal wires.

D. End, Corner, and Pull Posts: 6 inch diameter treated wood approximately 16 feet in length.

E. Line (Intermediate) Posts: 2 ¾ inch steel drill pipe approximately 16 feet in length.

F. Wire Ties: Class 1 galvanized steel, no less than 9 gage.

G. Ready Mix Concrete: ASTM C94, mix design as follows:
   1. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing admixture, air-entraining admixture, and water to produce following:
      a. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on Construction Drawings.

b. Slump Range: 1 to 3 inches at time of placement
c. Air Entrainment: 5 to 8 percent

H. Water: Clean

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install fence with 2 ¾ inch drill pipe on 10 foot spacing. Each pole set at a minimum four (4) feet in the ground. Cement pipe in ground. One 6 inch diameter post set every 100 feet set a minimum of 4 feet in the ground. Cement post in ground.

B. Comply with recommended procedures and instructions of fencing manufacturer. Provide secure, aligned installation with line posts spaced as described above.

C. Methods for Setting Posts:
1. Grade-Set Posts:
a. Drill or hand excavate to a depth approximately 3 inches lower than post bottom. Set post bottom not less than 48 inches below finish grade.
b. Excavate each post hole to 12 inch diameter, or not less than four times diameter of post.
c. Place concrete around posts and vibrate or tamp for consolidation. Check each post for vertical and top alignment, and hold in position during placement and finishing operations. Extend concrete footing 2-inches above grade and trowel crown to shed water.
d. Post shall be set plumb within 1/4" in 10 feet.

D. Tie Wires:
1. Use U-shaped wire, conforming to diameter of pipe to which attached, clasping pipe and fabric firmly when ends twisted at least 2 full turns. Bend ends of wire to minimize hazard to persons or clothing.
2. Tie fabric to line posts with wire ties spaced 12 inches O.C. Tie fabric to rails and braces with wire ties spaced 24 inches O.C. Tie fabric to tension wires with hog rings spaced 24-inches O.C.
3. Manufacturer's standard procedure will be accepted if of equal strength and durability.

3.2 ADDITIONAL INSTALLATION PROVISIONS

A. Use U-shape tie wires, conforming to the diameters of pipe, that clasp the pipe and fabric firmly with ends twisted at least 2 full turns.

B. Bend ends of exposed wires to minimize hazards to persons or clothing.

END OF SECTION 02822

PRE-BID SIGN IN SHEET

Bid # 2014-40

Dec 12, 2013

City of Edinburg, Texas
Mandatory Pre-Bid Meeting
Cell 5-A (MSW 956B)

Print neatly Please.

Name	Company	Email	Phone
DAVID SCHERBATY	COMANCO ENV.	DSCHERBATY@COMANCO.COM	813-988-8829
RANDALL LONG	AMERICAN ENVIRONMENTAL	r long@aegl.net	2816454190 Ext 2
TED HOEY	E.S.I. INC	tedhoey@rocketmail.com	412-337-2100
Chip Gordon	Golder	wgordon@golder.com	2813893614
RAMIRO GOMEZ	COE	rgomez@cityofedinburg.com	956-381-5635
Mark Roth	Golder Associates	mroth@golder.com	281-216-7870
DAL Sharp	EISG	dsharp@eisginc.com	713-622-37
James Eckrod	Foremost Paving	Bids@emconst.com	956-342-8730