

# City of Weslaco

"The City on the Grow"



David Suarez, Mayor  
John F. Cuellar, Mayor Pro-Tem, District 2  
David R. Fox, Commissioner, District 1  
Olga M. Noriega, Commissioner, District 3  
Gerardo "Jerry" Tafolla, Commissioner, District 4  
Lupe V. Rivera, Commissioner, District 5  
Fidel L. Peña, Commissioner, District 6

Leonardo Olivares, City Manager

## CITY OF WESLACO

### Invitation for Bids

The City of Weslaco hereby requests sealed Bids for the following:

#### **Dewatering Containers = RFB No. 2014-15-03**

Sealed Bids addressed to Homer Rhodes, will be accepted at the Weslaco City Hall Purchasing Office, 255 S. Kansas Avenue, Weslaco, Texas 78596, until **3:00 p.m. on November 7, 2014**, at which time they will be opened and read aloud. Please mark envelope, Sealed Bid " **Dewatering Containers, RFB No.: 2014-15-03.**"

Potential Respondents are advised that the bid documents can be downloaded from the City of Weslaco web page address: [www.weslacotx.gov](http://www.weslacotx.gov), and may also be secured at the Weslaco City Hall Purchasing Office, 255 S. Kansas Avenue, Weslaco, Texas 78596, or by calling 956.447.2240. Be advised that if your company is contemplating on bidding this project you must contact the Purchasing Office, so that any changes/additions via addendum form can be forwarded to your company. (Please include your company name, address, e-mail, telephone and fax, and contact person). **No electronic bids will be accepted.**

The City of Weslaco reserves the right to accept or reject any or all bids, to waive any informalities, and to accept the bid to be the best and most advantageous to the City and to hold bids for a period of forty-five (45) days without taking action, for the purpose of reviewing the bids and investigation of Respondents' qualifications prior to bid award. Bids submitted past the aforementioned date and time will not be accepted.

City of Weslaco

A handwritten signature in blue ink that reads "Homer Rhodes". The signature is fluid and cursive, with a long horizontal stroke at the end.

Homer Rhodes,  
Purchasing Office

**VENDOR'S NOTICE OF INTENT TO SUBMIT A BID**

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If you intend to submit a bid for **Dewatering Containers** with the City of Weslaco as outlined in the specifications, please indicate your intention by signing, dating, and returning this form to the address below prior to **November 7, 2014** so that you may receive any addendums to the specifications should the need arise.

**Homer Rhodes  
City of Weslaco  
Purchasing Office  
255 S. Kansas Avenue  
Weslaco, Texas 78596  
Phone: 956.447.2240  
Fax: 956.969.8452  
hrhodes@weslacotx.gov**

Name: _____ (print / contact person)	Signature: _____
Title: _____	Company/Agency: _____
Mailing Address: _____	City/State/Zip: _____
Phone: _____	Fax: _____
Email Address: _____	

Bid No.: 2014-15-03

# SPECIFICATIONS

30 yd. Box Specifications 2014

## PRODUCTS AND EQUIPMENT

A complete WASTE DISPOSAL SYSTEM includes the following:

### A. 30-yd Roll-Off Dewatering Unit (Box)

1. Dewatering unit shall be capable of holding a maximum of 30 cubic yards of dewatered solids when full, independent of filter media. Dewatering unit shall be open topped with a rounded bottom and constructed with a minimum of A-36 carbon steel or equivalent.
2. Dewatering unit dimensions (including bracing) shall be a minimum Length 23', minimum Width 8'; Height 5' from ground level to top of unit. Total height of the unit will include an additional 18" for tarp bows.
3. Dewatering unit shall be constructed such that it is portable and can be hauled with a standard capacity roll-off truck.
4. Dewatering unit shall be equipped with a side-hinged, watertight, EPDM gasketed rear door with four (4) ratchet binders- one (1) on each side and two (2) in the middle of the door.
5. Dewatering unit shall include six (6) 4" drain ports with NPT female threaded ends- three (3) mounted equidistance on each side. Center of each drain port shall be positioned level with floor of the unit to ensure complete draining of the unit. Drain ports shall include camlock fittings (with dust caps) capable of connecting to 3" diameter hoses.
6. Two (2) 3" drain ports with NPT female threaded ends shall be mounted on the rear door, flush with door bottom, and shall include camlock fittings (with dust caps) capable of connecting to 3" diameter hoses.
7. Two (2) 3" inlet ports with NPT female threaded ends shall be mounted at top of hinged door, and shall include camlock fittings (with dust plugs) capable of connecting to 3" diameter hoses.

**B. Dewatering container shall be constructed as follows:**

1. Top of center divider shall be lower than outer walls of unit so liquid material can overflow the center divider without overflowing the sides of the unit. The divider shall be fixed onto the front wall & floor of the dewatering unit with no auxiliary bracing.
2. There shall be a 1 ½ % clearance between the center divider and the hinged rear door to allow for equalization of liquid levels as they are being pumped into the unit.
3. All metal structures within the unit interior shall be not less than 3/16" thick with the exception of filter media backing material which shall be 3/4 #9 hot dipped galvanized expanded metal.
4. Interior sidewalls and floor shall be covered with a filter media sized appropriately to retain flocculated solids while filtered water is allowed to pass through and be collected in a common collection chamber, then discharged from the drain ports.
5. Filter media shall be installed on six (6) sides, covering a minimum 410 square feet of interior walls and floor, including both sides of center divider.
6. Filter media shall be a monofilament modified satin polyester filter material having a 437 CFM, Tensile Strength of 1890 LB/IN<sup>2</sup>, particulate retention of 330 microns and shall include a 5 year warranty for normal wear and tear.
7. Filter media shall be installed to 3/4 #9 hot dipped galvanized expanded metal using stainless steel button head bolts and stainless steel acorn nuts. All filter media shall be mounted flush and tensioned properly.
8. Dewatering unit shall include one (1) side to side roll-over tarp nylon material.
9. One (1) scraper shall be attached to the outside of the dewatering unit for easy access and removal.
10. One (1) sliding aluminum splash guard shall be mounted onto the top of the dewatering unit.
11. One (1) flat shovel shall be provided for monitoring the flocculation of the liquid material as it is discharged into the dewatering unit.
12. Dewatering Unit must be capable of accepting 20,000 gallons of liquid material.

### **C. Polymer Mixing and Dosing Unit**

All components shall be mounted on a single skid constructed of 3" channel iron and 3/16" carbon steel plate.

Unit shall be constructed such that the forks of a fork lift can be inserted into the base of the skid to allow the entire unit to be moved.

Skid shall be primed with a 2-part epoxy; top coated with a polyurethane finish.

All equipment mounted on the Polymer Mixing and Dosing Unit shall be suitable for expected operating conditions.

Polymer Mixing and Dosing Unit shall be capable of accepting liquid polymer. The

Polymer Mixing and Dosing Unit shall include the following features:

1. One (1) 500 gallon polyethylene mixing tank
2. One (1) solid Stainless Steel mixing shaft.
3. One (1) TEFC 1.5 HP AC electric stirring motor (110v)
4. One (1) TEFC 1 HP DC electric pump motor (110v)
5. One (1) positive displacement polymer injection pump having an adjustable capacity of 3-27 gpm
6. One (1) 110v(20 amp), single phase electrical supply junction box
7. One (1) DC controller
8. One (1) flow meter graduated with a flow range of 3-27 gpm
9. One (1) 110v variable rheostat switch and a mixing "on/off" power switch
10. One (1) electrical power cord with 3-way grounded plug
11. One (1) 3" wye fitting with NPT male threaded ends
12. Two (2) 15' lengths of 3" hose with camlock fittings for connection to the dewatering unit, suitable for purpose intended

13. One (1) bucket with a minimum 3 gallon capacity

Pump

4" Trash Pump with gasoline engine capable of pumping 200-600 gpm

30' x 3" Hose

Two (2) 30' lengths of 3" hose with fittings suitable for purpose intended

**MATERIALS OF CONSTRUCTION**

All materials used in the construction of the dewatering system shall be of the best quality and entirely suitable in every respect for the service required. All structural steel shall conform to the ASTM Standard Specification for Structural Steel. All iron castings shall conform to the ASTM Standard Specifications for Gray Iron Castings, and shall be of a class suitable for the purpose intended. Unless otherwise specified herein, all materials in contact with the polymer solution or waste material shall be suitable for the environment intended.

**OPERATING MANUALS**

Operating instructions and maintenance manuals will be forwarded with shipment of equipment, unless otherwise indicated.

**SERVICE**

A field service representative will be available for the set-up and initial operation of the equipment and for operator training.

**WARRANTIES**

All warranties will be manufacturers' of equipment warranties, generally for 1 year.

COST FACTOR SHEET

BID No.: 2014-15-03

THIS INFORMATION IN THE OPINION OF THE CITY OF WESLACO PUBLIC UTILITIES DEPARTMENT IS NEEDED TO DETERMINE "REASONABLENESS OF COST" AND IS PART OF THE RANKING CRITERIA.

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT PRICE</u>	<u>TOTAL PRICE</u>
1	30 cu yd. dewatering unit	2	\$	\$
2	30' x 30" hose w/ fittings	2	\$	\$
3	500 gallon polymer mixing unit	1	\$	\$
4	4" sludge pump	1	\$	\$
5	Installation and Start-up	1	\$	\$

Total Cost: \$ \_\_\_\_\_

RESPONDENTS SHALL ATTEST TO THE FACT THAT THEY HAVE READ AND ARE IN COMPLIANCE WITH ALL THE REQUIREMENTS AS STATED IN ALL OF THE AFOREMENTIONED, BY AFFIXING THEIR ORIGINAL SIGNATURE AND ENTERING OTHER INFORMATION ASKED FOR BELOW.

SIGNATURE \_\_\_\_\_

(Failure to sign will disqualify proposal)

TYPE/PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Email: \_\_\_\_\_