

SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT

Issued By: **Anthony Rubin**
BID NO.: **12-1303**

Date Issued: **September 12, 2012**

FORMAL INVITATION FOR BIDS
CONTRACT FOR PLUGGING OF CONRAD #3, FRANKLIN #2 & STRAUS MEDINA WELLS
ADDENDUM NO. 1

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, P.O. Box 2449, San Antonio, TX 78298-2449 will be received until **3:00 p.m., September 18, 2012** and then publicly opened and read aloud for furnishing materials or services as described received herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

This invitation includes the following:

Invitation for Bids
Terms and Conditions of Invitation for Bids

Specifications and General Requirements
Price Schedule

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: _____ Firm Name: _____
(Please Print or Type)

Address: _____

Signature of Person Authorized to Sign Bid _____ City, State, Zip Code: _____

Email Address: _____ Telephone No.: _____

Fax No.: _____

Please complete the following:

Prompt Payment Discount: _____% _____days. (If no discount is offered, Net 30 will apply.)

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):

___ Non-minority ___ Hispanic ___ African-American ___ Other Minority (specify) _____

___ Female Owned ___ Handicapped Owned ___ Small Business (less than \$1 million annual receipts or 100 employees)

Indicate Status: ___ Partnership ___ Corporation ___ Sole Proprietorship ___ Other (specify) _____

Tax Identification Number: _____

The following is a list of questions from the pre-bid meeting held on September 5, 2012:

Question 1 – Bid Items no.1 & 5 refer to cleaning out the wells as specified. Specifications require the obstructions from these wells be removed in order to carry out the plugging operations. EAA cannot give us a definite answer on clearing the obstructions until they can review the information and videos, therefore a lump sum bid does not seem possible at this time. Possibly add bid items for an hourly rate with a service rig with a cap. Mobilization of a drilling rig, hourly rate for the drilling rig with a cap.

Answer – Refer to description of work measurement and payment, titled Unit Bid Price Contract, which states payment for each specified item described and contained in the price schedule will be made at the contract unit price and measurement for that item. The updated Price Schedule, line items 1, 8, and 15 addresses payment based on 50 hours to clean out each well. Payment will be based on the unit price and measured hours needed to clean out the three wells.

Question 2 – Additionally, in discussions with the EAA they were concerned that there were no provisions for perforating the Conrad and Franklin wells. Should probably have bid items for these as well.

Answer – Refer to description of line items 6, 13, and 20, including the price schedule containing steel casing perforation, if required, for the three wells.

Question 3 – Should we include mobilization costs for Strauss Medina in the bid item #9?

Answer – Refer to description of line items 5, 12, and 19, including the price schedule containing mobilization costs for each well.

Question 4 – Will we be paid for exceeding the estimated quantities of cement in the bid proposal? A hole in the casing can drink a lot of cement. For instance, if we utilize 400 sacks instead of the 360 sacks estimated for the Conrad well, this will exceed your board approved allowance. This could happen on the gravel as well. Large voids in the formation can take a lot of gravel to bring up to the required depth. This too could exceed the board approved allowance.

Answer - Refer to description of work measurement and payment, titled Unit Bid Price Contract, which states payment for each specified item described and contained in the price schedule will be made at the contract unit price and measurement for that item. The updated Price Schedule, line items 2, 3, 9, 10, 16, and 17 have quantity amounts approximately 80% higher than the calculated amount based on well geometric data.

Question 5 – Will you have or to included breaking out foundations and hauling to dispose of?

Answer – Refer to description of line items 7, 14, and 21, including the price schedule containing site restoration requirements to demolish and remove slab, appurtenances and removal of all debris associated with the well.

Question 6 – On bid form we only have perforating bid item for Straus. We will need to perforate each well . Will you change bid form to include these wells???

Answer – Refer to description of line items 6, 13, and 20, including the price schedule containing steel casing perforation, if required, for the three wells.

Unit Bid Price Contract - Execution of Work Measurement and Payment: Separate payment shall not be made to perform tasks and to cover costs associated with project administration, project management, regulatory requirements, quality control, meetings, reports, and submittals, as these shall be incidental costs. Separate payment will not be made to coordinate with utility agencies, as these shall also be incidental costs. Include these costs in the well plugging cost items contained in the Price Schedule.

Payment for each specified item described and contained in the Price Schedule shall be based on the contract unit price and measurement for that item. The scope of work includes acquisition of all permits, submittals, utility coordination, safety pre-cautions, use of proper equipment, labor, materials, tools, transportation and all other incidental costs necessary to plug each well in compliance with all applicable regulations, as well as contract specifications contained herein.

Price Schedule – Item Measurement, Payment and Work Description (Refer to Price Schedule):

Item 1 – Conrad Well No. 3 shall be lump sum compensation for the complete cleaning of the well to a minimum of 150 feet below obstruction unless the contractor encounters solid undrilled formation, including but not limited to, all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, transportation, disposal and fees, services, incidentals, shall be paid under this unit price item.

Item 2 – Install Gravel for Conrad Well No.3; per cubic yard Payment to Install Gravel. Compensation shall be to furnish and slowly pour or tremie clean gravel from the bottom of the open hole to a height 5 to 10 feet below the base of the casing using every precaution to prevent bridging. During placement, progress shall be continuously monitored to avoid overfilling. Excess fill-up shall be removed by the CONTRACTOR prior to placing a cement plug. Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, services, and incidentals required to complete the work. Measurement will be based on the number of cubic yards delivered and placed in the well. Payment will be based on the unit price quoted on the Price Schedule.

Gravel fill shall be washed processed rock nominal size 3/4" to 1" in size conforming to ASTM C33 standards. Gravel shall be disinfected prior to installation in the well.

Pea Gravel shall be washed and processed rounded rock of nominal size 1/4". Pea gravel shall be disinfected prior to installation in the well. The pea gravel cap shall be at least 2' thick on top of the gravel.

Item 3 – Install Cement for Conrad Well No.3; per sack Payment to Install Cement. Compensation shall be to plug existing well by placing a cement plug from the top of the gravel to approximately 10 to 15 feet into the casing. The plug shall be tagged with tag line to verify depth and location within casing, and proof that it has properly set. The driller will then fill the cased hole to surface with neat cement.

Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, permits, services, and incidentals required to complete the work. Measurement will be based on the number of sacks of cement installed. Payment will be based on the unit price quoted on the Price Schedule.

Cement plug shall consist of Portland cement Class H with 8% jell and 2% calcium chloride. Cement shall be mixed at the rate of one bag (94 pounds) mixed with the minimum water specified by the manufacturer. The Demolition of casing slab shall be included in unit price.

Item 4 – Geophysical Logging for Conrad Well No. 3; Payment shall be per linear foot to conduct Geophysical logging of well. Measurement will be based on the linear feet of Geophysical Logging completed and accepted. Payment will be based on the unit price quoted on the Price Schedule and includes the following requirements:

Notify OWNER a minimum of 24 hours in advance of performing geophysical logging of well to be plugged.

Perform geophysical logging to ascertain total depth and casing/borehole characteristics of well to be plugged.

- Provide continuous recording and geophysical logging equipment capable of running natural gamma ray and caliper logs.
- Log the entire depth of the well or borehole, or as determined by the OWNER.
- Geophysical logs shall be presented in the following scales and formats unless specified otherwise by OWNER:

Gamma Ray:

1. 5" = 100' at 0 – 100 counts per second recorded on track III

Caliper Log:

1. 5" = 100' recorded on track I

- Record logs at five or ten samples per foot consistent with a minimum of off-scale deflection, or as directed by the OWNER.
- If requested by OWNER, record a duplicate (repeat) section of each log equal to 20 percent of total logged sections up to 250 feet, and 10 percent for logged sections greater than 250 feet. The duplicate section will be selected by the OWNER.
- CONTRACTOR shall be responsible for submitting a copy of the geophysical log and completed geophysical log certification form to the Edwards Aquifer Authority.

Perform digital video log of entire wellbore, including both open and cased hole. Any splits or holes in casing should be recorded with lateral view. Significant voids in open hole section should also be recorded with lateral view. Digital copy of video shall be provided to OWNER.

Prior to plugging well, CONTRACTOR shall review geophysical logs with GROUNDWATER RESOURCE PROTECTION SPECIALIST to determine best method to plug the well.

Item 5 – Conrad Well No. 3 Mobilization; Payment shall be lump sum to mobilize and demobilize all equipment, temporary utilities, materials and any other temporary facilities required to perform the work. The contractor shall furnish clean drinking water and temporary sanitary facilities as required for the crew members. Mobilization costs shall not exceed 10% of the Sub total amount for Conrad Well No. 3.

Item 6 – Conrad Well No. 3 Perforation of Steel Casing, if required, shall be a lump sum cost for the set up and perforation of a well casing to insure integrity of the grout seal and show inclusion of grout into the annular space between the well casing and bore hole.

Item 7 – Conrad Well No. 3 Site Restoration shall be a lump sum cost to cut and remove existing casing, once it has been filled with cement, at least five (5) below existing grade, including demolition and removal of slab, appurtenances, restoring well site and access route surface grades, and clearing and removal of all debris associated with the well.

Item 8 – Franklin Well No. 2 shall be lump sum compensation for the complete cleaning of the well to a minimum of 150 feet below obstruction unless the contractor encounters solid undrilled formation, including but not limited to, all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, transportation, disposal and fees, services, incidentals, shall be paid under this unit price item.

Item 9 – Install Gravel for Franklin Well No. 2; per cubic yard Payment to Install Gravel. Compensation shall be to furnish and slowly pour or tremie clean gravel from the bottom of the open hole to a height 5 to 10 feet below the base of the casing using every precaution to prevent bridging. During placement, progress shall be continuously monitored to avoid overfilling. Excess fill-up shall be removed by the CONTRACTOR prior to placing a cement plug. Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, services, and incidentals required to complete the work. Measurement will be based on the number of cubic yards delivered and placed in the well. Payment will be based on the unit price quoted on the Price Schedule.

Gravel fill shall be washed processed rock nominal size 3/4" to 1" in size conforming to ASTM C33 standards. Gravel shall be disinfected prior to installation in the well.

Pea Gravel shall be washed and processed rounded rock of nominal size 1/4". Pea gravel shall be disinfected prior to installation in the well. The pea gravel cap shall be at least 2' thick on top of the gravel.

Item 10 – Install Cement for Franklin Well No. 2; per sack Payment to Install Cement. Compensation shall be to plug existing well by placing a cement plug from the top of the gravel to approximately 10 to 15 feet into the casing. The plug shall be tagged with tag line to verify depth and location within casing, and proof that it has properly set. The driller will then fill the cased hole to surface with neat cement.

Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, permits, services, and incidentals required to complete the work. Measurement will be based on the number of sacks of cement installed. Payment will be based on the unit price quoted on the Price Schedule.

Cement plug shall consist of Portland cement Class H with 8% jell and 2% calcium chloride. Cement shall be mixed at the rate of one bag (94 pounds) mixed with the minimum water specified by the manufacturer. The Demolition of casing slab shall be included in unit price.

Item 11 – Geophysical Logging for Franklin Well No.2; Payment shall be per linear foot to conduct Geophysical logging of well. Measurement will be based on the linear feet of Geophysical Logging completed and accepted. Payment will be based on the unit price quoted on the Price Schedule and includes the following requirements:

Notify OWNER a minimum of 24 hours in advance of performing geophysical logging of well to be plugged.

Perform geophysical logging to ascertain total depth and casing/borehole characteristics of well to be plugged.

- Provide continuous recording and geophysical logging equipment capable of running natural gamma ray and caliper logs.
- Log the entire depth of the well or borehole, or as determined by the OWNER.
- Geophysical logs shall be presented in the following scales and formats unless specified otherwise by OWNER:

Gamma Ray:

1. 5" = 100' at 0 – 100 counts per second recorded on track III

Caliper Log:

1. 5" = 100' recorded on track I

- Record logs at five or ten samples per foot consistent with a minimum of off-scale deflection, or as directed by the OWNER.
- If requested by OWNER, record a duplicate (repeat) section of each log equal to 20 percent of total logged sections up to 250 feet, and 10 percent for logged sections greater than 250 feet. The duplicate section will be selected by the OWNER.
- CONTRACTOR shall be responsible for submitting a copy of the geophysical log and completed geophysical log certification form to the Edwards Aquifer Authority.

Perform digital video log of entire wellbore, including both open and cased hole. Any splits or holes in casing should be recorded with lateral view. Significant voids in open hole section should also be recorded with lateral view. Digital copy of video shall be provided to OWNER.

Prior to plugging well, CONTRACTOR shall review geophysical logs with GROUNDWATER RESOURCE PROTECTION SPECIALIST to determine best method to plug the well.

Item 12 – Franklin Well No. 2 Mobilization; Payment shall be lump sum to mobilize and demobilize all equipment, temporary utilities, materials and any other temporary facilities required to perform the work. The contractor shall furnish clean drinking water and temporary sanitary facilities as required for the crew members. Mobilization costs shall not exceed 10% of the Sub total amount for Franklin Well No. 2.

Item 13 – Franklin Well No.2 Perforation of Steel Casing, if required, shall be a lump sum cost for the set up and perforation of a well casing to insure integrity of the grout seal and show inclusion of grout into the annular space between the well casing and bore hole.

Item 14 – Franklin Well No.2 Site Restoration shall be a lump sum cost to cut and remove existing casing, once it has been filled with cement, at least five (5) below existing grade, including demolition and removal of slab, appurtenances, restoring well site and access route surface grades, and clearing and removal of all debris associated with the well.

Item 15 – Strauss Medina Well shall be lump sum compensation for the complete cleaning of the well to a minimum of 150 feet below obstruction unless the contractor encounters solid undrilled formation, including but not limited to, all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, transportation, disposal and fees, services, incidentals, shall be paid under this unit price item.

Item 16 – Install Gravel for Strauss Medina Well; per cubic yard Payment to Install Gravel. Compensation shall be to furnish and slowly pour or tremie clean gravel from the bottom of the open hole to a height 5 to 10 feet below the base of the casing using every precaution to prevent bridging. During placement, progress shall be continuously monitored to avoid overfilling. Excess fill-up shall be removed by the CONTRACTOR prior to placing a cement plug. Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, services, and incidentals required to complete the work. Measurement will be based on the number of cubic yards delivered and placed in the well. Payment will be based on the unit price quoted on the Price Schedule.

Gravel fill shall be washed processed rock nominal size 3/4" to 1" in size conforming to ASTM C33 standards. Gravel shall be disinfected prior to installation in the well.

Pea Gravel shall be washed and processed rounded rock of nominal size 1/4". Pea gravel shall be disinfected prior to installation in the well. The pea gravel cap shall be at least 2' thick on top of the gravel.

Item 17 – Install Cement for the Strauss Medina Well; per sack Payment to Install Cement. Compensation shall be to plug existing well by placing a cement plug from the top of the gravel to approximately 10 to 15 feet into the casing. The plug shall be tagged with tag line to verify depth and location within casing, and proof that it has properly set. The driller will then fill the cased hole to surface with neat cement.

Provide all required administration, supervision, submittals, incidentals, labor, products, materials, tools, equipment, plant, permits, services, and incidentals required to complete the work. Measurement will be based on the number of sacks of cement installed. Payment will be based on the unit price quoted on the Price Schedule.

Cement plug shall consist of Portland cement Class H with 8% jell and 2% calcium chloride. Cement shall be mixed at the rate of one bag (94 pounds) mixed with the minimum water specified by the manufacturer. The Demolition of casing slab shall be included in unit price.

Item 18 – Geophysical Logging for Strauss Medina Well; Payment shall be per linear foot to conduct Geophysical logging of well. Measurement will be based on the linear feet of Geophysical Logging completed and accepted. Payment will be based on the unit price quoted on the Price Schedule and includes the following requirements:

Notify OWNER a minimum of 24 hours in advance of performing geophysical logging of well to be plugged.

Perform geophysical logging to ascertain total depth and casing/borehole characteristics of well to be plugged.

- Provide continuous recording and geophysical logging equipment capable of running natural gamma ray and caliper logs.
- Log the entire depth of the well or borehole, or as determined by the OWNER.
- Geophysical logs shall be presented in the following scales and formats unless specified otherwise by OWNER:

Gamma Ray:

1. 5" = 100' at 0 – 100 counts per second recorded on track III

Caliper Log:

1. 5" = 100' recorded on track I

- Record logs at five or ten samples per foot consistent with a minimum of off-scale deflection, or as directed by the OWNER.
- If requested by OWNER, record a duplicate (repeat) section of each log equal to 20 percent of total logged sections up to 250 feet, and 10 percent for logged sections greater than 250 feet. The duplicate section will be selected by the OWNER.
- CONTRACTOR shall be responsible for submitting a copy of the geophysical log and completed geophysical log certification form to the Edwards Aquifer Authority.

Perform digital video log of entire wellbore, including both open and cased hole. Any splits or holes in casing should be recorded with lateral view. Significant voids in open hole section should also be recorded with lateral view. Digital copy of video shall be provided to OWNER.

Prior to plugging well, CONTRACTOR shall review geophysical logs with GROUNDWATER RESOURCE PROTECTION SPECIALIST to determine best method to plug the well.

Item 19 – Strauss Medina Well Mobilization; Payment shall be lump sum to mobilize and demobilize all equipment, temporary utilities, materials and any other temporary facilities required to perform the work. The contractor shall furnish clean drinking water and temporary sanitary facilities as required for the crew members. Mobilization costs shall not exceed 10% of the Sub total amount for Strauss Medina Well.

Item 20 – Strauss Medina Well Perforation of Steel Casing, if required, shall be a lump sum cost for the set up and perforation of a well casing to insure integrity of the grout seal and show inclusion of grout into the annular space between the well casing and bore hole.

Item 21 – Strauss Medina Well Site Restoration shall be a lump sum cost to cut and remove existing casing, once it has been filled with cement, at least five (5) below existing grade, including demolition and removal of slab, well standpipe, appurtenances, restoring well site and access road surface grades, and clearing and removal of all debris associated with the well.

Item 22 – Straus Medina Well mudding, if required; Payment for Strauss Medina Well, Mudding of Well shall be lump sum for the purchase, mixing, application, removal and disposal of bentonite clay used to stop the flow of water for the purposes of plugging of a well. Bentonite slurry shall be high solids type designed for well mudding, mixed with the minimum water specified by manufacturer to produce a pumpable slurry, containing twenty two percent (22%) solids. The mud shall be virgin material approved for use in potable water applications. Spent material shall be dewatered and disposed of offsite. All equipment shall be designed and previously used ONLY for use in potable water applications. Rigs used in oil field applications or other industrial uses will not be allowed.

PRICE SCHEDULE:**(Unit Bid Price Contract - Execution of Work Measurement and Payment)**

Item No.	Description	Qty	Unit	Unit Price	Total
1	Conrad Well No.3, Cleaning out of the wells as specified herein	50	HR		
2	Install Gravel for Conrad Well No.3	4	CY		
3	Install Cement for Conrad Well No.3	430	Sacks		
4	Geophysical Logging for Conrad Well No.3	700	LF		
5	Conrad Well No. 3, Mobilization	1	LS		
6	Conrad Well No. 3, Perforation of Steel Casing	1	LS		
7	Conrad Well No. 3 Site Restoration	1	LS		
Sub Total Conrad Well No. 3					
8	Franklin Well No.2, Cleaning out of the wells as specified herein	50	HR		
9	Install Gravel for Franklin Well No.2	3	CY		
10	Install Cement for Franklin Well No.2	220	Sacks		
11	Geophysical Logging for Franklin Well No.2	285	LF		
12	Franklin Well No.2, Mobilization	1	LS		
13	Franklin Well No. 2, Perforation of Steel Casing	1	LS		
14	Franklin Well No. 2 Site Restoration	1	LS		
Sub Total Franklin Well No. 2					
15	Strauss Medina Well, Cleaning out of the wells as specified herein	50	HR		
16	Install Gravel for Strauss Medina Well	10	CY		
17	Install Cement for Strauss Medina Well	520	Sacks		
18	Geophysical Logging for Strauss Medina Well	1,300	LF		
19	Strauss Medina Well, Mobilization	1	LS		
20	Strauss Medina Well, Perforation of Steel Casing	1	LS		
21	Strauss Medina Well Site Restoration	1	LS		
22	Strauss Medina Well, Muddying Artesian Well	1	LS		
Sub Total Strauss Medina Well					
TOTAL BID AMOUNT (SUM OF SUB TOTALS EACH WELL)					

IT IS NECESSARY TO RETURN THIS ADDENDUM WITH YOUR BID.