



SAN ANTONIO WATER SYSTEM
University Pump Station Improvements Project
SAWS Job No. 12-6002
Solicitation No. B-14-053-DD

ADDENDUM NO. 1

July 25, 2014

TO BIDDER OF RECORD:

The following changes, additions, and/or deletions are hereby made as part of the Contract Documents for the University Pump Station Improvements Project, for the San Antonio Water System, San Antonio, Texas, dated June 2014, as fully and completely as if the same were set forth therein.

Mandatory Pre-Proposal and Site Visit – Firms in Attendance

Invitation for Competitive Sealed Proposals – Proposals will not be accepted from any company not represented at the mandatory pre-proposal meeting and site visit held on July 22, 2014 at 10:00 a.m. The following list is a record of represented firms:

Lambda Construction • Shannon Monk, Inc. • Alterman Electric • Payton Construction
Pronto Sandblasting • MGC Contractors • Pepper Lawson • Prime Controls • Alamo 1 •
BRB Contractors • Laughlin-Thyssen

PART 1 – BIDDING AND CONTRACT DOCUMENTS

1. INVITATION FOR COMPETITIVE SEALED PROPOSALS:

A. REPLACE the second sentence in Paragraph 5 with the following:

“Proposals will then be publicly opened and read aloud in Contract Administration, Suite 137, Customer Center Building, 2800 U.S. Hwy 281 North, San Antonio, Texas.”

2. SUPPLEMENTAL CONDITIONS:

A. REVISE Article VIII as follows:

“Page GC 47: Section 8.6 Liquidated Damages for Failure to Complete on Time:
of the General Conditions shall be amended as follows:

Add the following to the end of the paragraph:

‘Liquidated Damages, for the purpose of this contract, will be assessed at \$6,700.00 per day.’”

PART 2 – TECHNICAL SPECIFICATIONS

1. SECTION 02215, FLOWABLE FILL:

A. REPLACE the first sentence in Paragraph 3.02.A with the following:

“The Contractor is responsible for the costs involved in providing an approved testing laboratory to perform the quality control testing of backfill operations.”

2. SECTION 02221, STRUCTURAL EXCAVATION AND BACKFILL:

B. REPLACE the first sentence in Paragraph 3.05.A with the following:

“The Contractor is responsible for the costs involved in providing an approved testing laboratory to perform quality control testing of backfill operations.”

3. SECTION 03300, CAST-IN-PLACE CONCRETE:

A. REPLACE the second sentence in Paragraph 3.13.A.1.c with the following:

“The Contractor will select a testing agency approved by the Owner and pay for the testing service.”

B. REPLACE Paragraph 3.13.A.1.d with the following:

“Unless the Contractor’s laboratory is on the Site, provide housing for the curing and storage of test specimens and equipment.”

4. SECTION 04220, COMPLETE UNIT MASONRY:

A. REPLACE the first sentence of Paragraph 3.013.A with the following:

“Testing and Inspecting: Contractor will engage special inspectors to perform tests and inspections and prepare reports.”

5. SECTION 05210, STEEL JOINT FRAMING:

A. REPLACE Paragraph 3.03.A with the following:

“Testing Agency: Contractor will engage a qualified independent testing and inspecting agency to inspect field welds and high-strength bolted connections.”

6. SECTION 08710, FINISH HARDWARE:

A. REPLACE Paragraph 2.04.F.1 with the following:

“Schlage: L9000 series”

B. REPLACE Paragraph 2.06.E.1 with the following:

“Schlage Primus 20-740 606”

7. SECTION 13310, FIELD INSTRUMENTS

A. REPLACE Paragraph 2.01.C with the following:

“Type: Proline Promag 53W”

B. REPLACE Paragraph 2.01.F.1 with the following:

“Output: Modbus RTU”

8. SECTION 13500, PROGRAMMABLE LOGIC CONTROLLERS

A. REPLACE Paragraph 2.01.A.1 with the following:

“Schneider Electric Modicon M340”

9. SECTION 13550, INTEGRATED SECURITY SYSTEM

B. REPLACE Paragraph 2.03.F.1 with the following:

“UTC TVN-2116P-16T”

10. SECTION 16151, Large Induction Motors

A. ADD Paragraph 2.08.D:

“The enclosure for the vertical motors shall be WP1.”

11. SECTION 16480, LOW VOLTAGE MOTOR CONTROL CENTERS

A. ADD the following to Paragraph 2.01.A:

“5. Siemens”

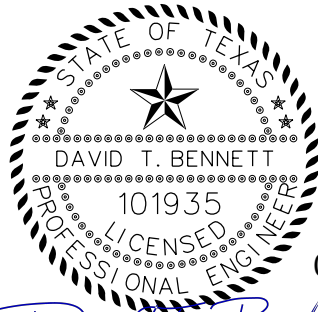
12. APPENDIX B, FACILITY CHECKLIST:

A. REPLACE Appendix B in its entirety with the attached section.

PART 3 – DRAWINGS

1. SHEET EY-04: REPLACE description “Existing Electrodes Suspended in Tank” with “Electrodes Suspended in Tank”.
2. SHEET I-02: REPLACE communication cable from the new magnetic flow meters to SCADA ESW-UNPS with RS-485 communication cable. ADD protocol convertors for each new flow meter. ADD CAT6 communication cable between each protocol convertor and SCADA ESW-UNPS.

ALL BIDDERS SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM NO. 1 IN THE BID FORM AND BY HIS/HER SIGNATURE AFFIXED HERETO AND TO FILE SAME AS AN ATTCHMENT TO HIS/HER BID. BID FORMS SUBMITTED WITHOUT THIS ACKNOWLEDGEMENT WILL BE CONSIDERED INFORMAL.



07-25-14

FREESE AND NICHOLS, INC.
TEXAS REGISTERED
ENGINEERING FIRM
F-2144

David T. Bennett, P.E.

Freese and Nichols, Inc.

ACKNOWLEDGEMENT BY BIDDER

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF THIS ADDENDUM NO. 1 AND THE BID SUBMITTED HERewith IS IN ACCORDANCE WITH THE INFORMATION AND STIPULATION SET FORTH.

Date

Signature of bidder

Appended hereto and part of Addendum No. 1 are:

1. APPENDIX B
2. CONTRACTOR QUESTIONS AND ANSWERS
3. PRE-PROPOSAL MEETING NOTES
4. PRE-PROPOSAL MEETING SIGN-IN SHEETS

END OF ADDENDUM NO. 1

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

System	Component	Primary Group	Secondary Group	Req (R) / Pref (P) Design Criteria	Guideline	Yes or No
Perimeter Fence	Fencing	Security	Facilities	R	Is fence installed with approved materials in the manner specified	
	Fencing	Security	Facilities	R	Is fence installed free of any large gaps (those greater than 6 inches) at sides/corners	
	Fencing	Security	Facilities	R	Is fence installed with maximum clearance of six inches above finished grade	
	Fencing	Security	Facilities	R	Intruder-resistant fence--A fence six feet or greater in height, constructed of chainlink mesh (9 ga minimum) with three strands of barbed wire (9 ga minimum) extending outward from the top of the fence at a 45 degree angle with the smooth side of the fence on the outside wall. Any materials substitution shall be approved by Security and Facilities prior to construction	
	Fencing	Security	Facilities	R	Is fence installed with a minimum of 12 inch mow strip, with galvanized anchors every 3-5 feet.	
	Fencing	Security	Facilities	R	Is maximum fence post span 10 feet or less	
	Gates	Security	Facilities	R	Do all manual gates contain appropriate locks (i.e. SAWS approved depending on type of site, i.e. Production - Schlage lock)	
	Gates	Security	Facilities	R	Is gate installed with approved materials in the manner specified	
	Gates	Security	Facilities	R	Is gate installed free of any large gaps at sides	
	Gates	Security	Facilities	R	Is gate installed with maximum clearance of six inches above finished grade	
	Gates	Security	Facilities	R	Is gate installed with minimum height of 72 inches for fence fabric (generally chain link), plus 3strands of barbed wire or using fabric/material with a minimum height of 96 inches if barbed wire is not used.	
	Gates	Security	Facilities	R	Does gate have an adequate catch to ensure the gate can not be pushed in or pulled out to create a large gap	
	Gates	Security	Facilities	R	Does gate operate smooth and freely, without undo stress on gate operator	
	Gate Operator	Security	Facilities	R	Does operator appear to be adequately anchored	
	Gate Operator	Security	Facilities	R	Is gate operator the unit specified	
	Gate Operator	Security	Facilities	R	Are exit/safety loops installed at required distances	
	Gate Operator	Security	Facilities	R	Do exit/safety loops function properly	
	Gate Operator	Security	Facilities	R	Do limit switches appear to be set appropriately	
	Gate Operator	Security	Engineering	R	Is gate operator wired appropriately to security access control system	

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

System	Component	Primary Group	Secondary Group	Req (R) / Pref (P) Design Criteria	Guideline	Yes or No
Vandal Guard	Vandal Guard	Security	Production	R	For sites with tanks, is the vandal guard installed a minimum of six feet from finished grade and are all tank man-way/hatch openings secured with a SAWS lock.	
CCTV	Camera	Security	Engineering	R	Is CCTV system installed with the appropriate model and type of camera	
	Camera	Security	Engineering	R	Are the cameras in the appropriate location	
	Camera	Security	Engineering	R	Are cameras mounting using appropriate hardware	
	Camera	Security	Engineering	R	Are the cameras connected to the appropriate power supply units	
	DVR	Security	Engineering	R	Is the DVR unit supplied the model specified	
General Security	Enclosure	Security	Engineering	R	Is the security enclosure supplied the unit specified, with appropriate ventilation for the equipment it contains.	
	Cables	Security	Engineering	R	Are the cables supplied the appropriate type	
	Cables	Security	Engineering	R	Is all wiring and wiring connections appropriate for switch/router, cameras, DVR, power supplies, etc.	
	Lighting	Security	Facilities	R	Does site lighting appear adequate	
Networking	Switch	Security	IS	R	Is the switch/router the unit specified	
	UPS	Security	Engineering	R	Is the UPS the unit specified	
	UPS	Security	IS	R	Does the UPS have the appropriate management card installed	
	UPS	Security	Engineering	R	Is the UPS management card connected to the switch/router supplied	
	Encoder/Decoder/Servers	Security	Engineering	R	If encoders/decoders/camera servers are required, are the units supplied per specifications	
	Radio	Security	IS	R	If a radio is required are the those provided appropriate	
	Radio	Security	IS	R	If a radio is required are the units mounted correctly	
	Radio	Security	IS	R	If a radio is required verify the performance of the links to ensure bandwidth is acceptable.	
	Radio	Security	IS	R	If a radio is required are appropriate Lighting Protection Units (LPU) installed.	
Radio	Security	IS	R	If a radio is required are appropriate antennas installed		
Radio	Security	IS	R	If a radio is required verify appropriate license key and software key are installed		
Radio	Security	IS	R	If a radio is required verify all connections are per manufactures specifications		
Access Control	Card Readers	Security	Engineering	R	Are card reader/s the appropriate models	
	Card Readers	Security	Engineering	R	Are card reader/s installed correctly	
	Card Readers	Security	Engineering	R	Do card readers function appropriately	

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

	Component	Primary Group	Secondary Group	Req (R) / Pref (P) Design Criteria	Guideline	Yes or No
	Panel	Security	Engineering	R	Is the access control panel the appropriate model	
	Panel	Security	Engineering	R	Does the access control panel function appropriately	
	Panel	Security	Engineering	R	Access control panel is appropriately wired to the switch/router	
	Panel	Security	Engineering	R	Does the access control panel include the appropriate relays	
	Fireman's Box	Security	Engineering	R	Is the fireman's box the correct model	
	Fireman's Box	Security	Engineering	R	Is the fireman's box installed correctly	
Wells	Casing	Engineering	Production	R	Concrete sealing block extending at least 3' from the well casing in all directions, with a minimum thickness of 6" well casing extend a minimum of 18" above the elevation of the finished floor of the pump room or natural ground surface.	
	Vent	Production	Engineering	R	Casing vent with 16 mesh or finer corrosion resistant screen facing downwards.	
	Grade	Engineering	Production	R	Grade well site so surface waters drain away from well head	
	Sample Point	Production	Engineering	R	Locate raw water sample point on head works, prior to any valves or air release	
	Sample Point	Production	Engineering	R	No vacuum breakers located on sample points Sample point labeled "Raw Water Sample Point." Also, any external points of entry (POE) must be secured.	
Service Pumps	Pumps	Production	Engineering	R	No water leaking on floor, pump base or surrounding areas.	
	Pumps	Production	Engineering	R	Water from pump stuffing box properly drained.	
	Pumps	Production	Engineering	R	Pump/motor should be clean & no grease or oil present.	
Chlorination	Chlorination Rooms	Production	Engineering	R	Housing for gas chlorination equip & cylinders of chlorine shall be in separate buildings or rooms with impervious walls or partitions separating all mechanical & electrical equip from the chlorine as a measure of safety.	
	Chlorination Rooms	Engineering	Production	R	Housing located above ground level as a measure of safety.	
	Chlorination Rooms	Production	Engineering	R	Adequate ventilation (high & floor level screened vents),for all gas chlorine storage enclosures.	
	Chlorination Rooms	Engineering	Production	R	If negative pressure ventilation is installed, facilities must have gas containment & treatment per current Int'l Fire Code (IFC).	
	Chlorination Rooms	Engineering	Production	R	Forced air ventilation required for enclosures containing more than (1) 150lb cylinder of chlorine which includes: screened & louvered floor level & high level vents; fan located at & draws air through top vent & discharges to outside atmosphere through floor level vent; and fan switch located outside the enclosure.	

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

System	Component	Primary Group	Secondary Group	Req (R) / Pref (P) Design Criteria	Guideline	Yes or No
	Chlorination Rooms	Engineering	Production	R	When chlorine gas is used, a full-face self-contained breathing apparatus or supplied air respirator meeting OSHA standards for construction and operation & small bottle of fresh ammonia solution (or approved equal) for testing chlorine leakage must be readily accessible outside chlorinator room & immediately available to the operator in the event of an emergency.	
Site Selection	Elevation	Engineering	Real Estate	R	Elevation (min & max) critical for booster & tank site selections. Also, validate adequate drainage for peak flows.	
	Elevation	Real Estate	Engineering	R	Identify point of discharge for overflows	
	Access	Real Estate	Engineering	R	Adequate ingress & egress from the site	
	Access	Real Estate	Engineering	R	Cost to extend infrastructure to the property	
	Tank Site	Real Estate	Engineering	R	Ground or elevated tank dependent on property size	
	Site Selection	Real Estate	Engineering	R	Title or deed restrictions that may prohibit use of property as site	
	Site Selection	Real Estate	Engineering	R	Environmental Site Assessment (ESA) must be performed during feasibility period of Purch Agreement	
	Site Selection	Real Estate	Engineering	P	Special requirements of community/ HOA (landscaping, lights, fencing)	
Hydropneumatic Tanks	Grade	Engineering	Production	R	Located wholly above grade and must be of steel construction with welded seams except as provided in paragraph (8) of this subsection.	
	Pressure	Engineering	Production	R	Have a pressure release device & an easily readable pressure gauge.	
	Pressure	Production	Engineering	R	Provided for maintaining the air-water-volume at the design water level and working pressure.	
	Pressure	Production	Engineering	R	Air injection lines must be equipped with filters or other devices to prevent compressor lubricants and other contaminants from entering the pressure tank.	
	Location	Engineering	Security	R	Installed in lockable building designed to prevent intruder access or enclosed by an intruder-resistant fence with lockable gates.	
Landscaping	Trees	Facilities	Security	R	Trees & shrubs set back from property line and planted far enough back (minimum of 12 feet) from fence line to allow room for maintenance and provide adequate site lines.	
	Trees	Security	Facilities	R	Trees planted far enough from fence line (min. of 12' from fence, trees & tree canopies) to prevent individuals using them to climb over and gain site access.	

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

System	Component	Primary Group	Secondary Group	Req (R) / Pref (P) Design Criteria	Guideline	Yes or No
Landscaping (Con't)	Buffers	Security	Facilities	R	Buffer complies with Type "E" as listed in COSA Unified Development Code 35-309, Division 3.	
	Plant Materials for new sites	Security	Facilities	R	Minimum plant requirements for Buffer Type "E". Trees: 2 canopy & 4 understory; Shrubs: 14 large, 4 medium & 4 small. See UDC 35-309 for required sizes at maturity.	
	Landscape	Security	Facilities	R	Within the 12' clear zone on either side of the fence there should be no planted material or landscape feature that is taller than 24" or wider than 15" at full maturity. If landscape is provided for visual screening of the site, plant landscape no closer than 12 feet from the fence	
	General	Engineering	Facilities	R	Contractors required to maintain vegetation until fully established	
	General	Engineering	Facilities	R	Large rocks, excess debris & silt fences removed from site	
	Irrigation	Engineering	Facilities	R	Irrigation systems not required or recommended due to access and maintenance issues. They are considered on a case by case basis and only if warranted by extenuating circumstances.	
Site / General	Access	Engineering	Real Estate	R	Do all weather roads provide access to pumps, building, etc. (i.e. all weather roads often not installed near facilities)	
	General	Engineering	Facilities	R	Contractor to remove all temp elec/phone services, including poles	
	Signage	Engineering	Facilities	R	Include signage in plans & specs	
	General	Engineering	Facilities	R	Include privacy and screening requirements in specs	
	Fencing	Engineering	Security	R	Color & fence variations need prior approval (ornamental, powder coating, sprayed/baked, etc.)	
	Landscape	Engineering	Facilities	P	Consider eliminating landscaping on small Production sites (monitoring wells) and use alternatives (weed barriers, crushed granite, concrete...)	
Storage Tanks - Primary	Storage	Engineering	Production	R	Roof vents with screens, tank overflow above land surface, overflow to have weighted cover with 1/16" gap, readable pressure gauge 3" or larger, no vacuum breakers located on sample point labeled POE sample point	
Chemical & Electrical Buildings	Exterior	Engineering	Facilities	R	Bricks should be of earth tones	

SAWS FACILITY CHECK LIST - PUMP/LIFT STATIONS

NOV 2010

Initial Approvals: Inspections at substantial completion.		Signatures:	
Engineering	Inspector Name:	_____	Date:
Security	Josh Dean or Cody Moos	_____	Date:
Fac Maint	John Kaznowski or Designated	_____	Date:
RPC	Kirk Nixon	_____	Date:
Production	Scott Okland or Designated	_____	Date:
Notes:			
Final Approvals: Required before project is released.		Signatures:	
Engineering	Inspector Name:	_____	Date:
Security	Josh Dean or Cody Moos	_____	Date:
Fac Maint	John Kaznowski or Designated	_____	Date:
RPC	Kirk Nixon	_____	Date:
Production	Scott Okland or Designated	_____	Date:
Notes:			

Primary Group
Secondary Group
System

Row Labels

Access

Adequate ingress & egress from the site
Cost to extend infrastructure to the property
Do all weather roads provide access to pumps, building, etc. (i.e. all weather roads often not installed near facilities)

Cables

Are the cables supplied the appropriate type
Is all wiring and wiring connections appropriate for switch/router, cameras, DVR, power supplies, etc.

Camera

Are cameras mounting using appropriate hardware
Are the cameras connected to the appropriate power supply units
Are the cameras in the appropriate location
Is CCTV system installed with the appropriate model and type of camera

Card Readers

Are card reader/s installed correctly
Are card reader/s the appropriate models
Do card readers function appropriately

Casing

Concrete sealing block extending at least 3' from the well casing in all directions, with a minimum thickness of 6" well casing extend a

Chlorination Rooms

Adequate ventilation (high & floor level screened vents), for all gas chlorine storage enclosures.
Equipment & cylinders may be installed outside of the buildings when protected from adverse weather conditions and vandalism.
Forced air ventilation required for enclosures containing more than (1) 150lb cylinder of chlorine which includes: screened and louvered floor level & high level vents; fan located at & draws air in through the top vent & discharges to outside atmosphere through the floor level vent;
Housing for gas chlorination equip & cylinders of chlorine shall be in separate buildings or rooms with impervious walls or partitions
Housing shall be located above ground level as a measure of safety.
If negative pressure ventilation is installed the facilities must have gas containment & treatment as prescribed by current Int'l Fire Code (ILC).
When chlorine gas is used, a full-face self-contained breathing apparatus or supplied air respirator that meets OSHA standards for construction and operation, & small bottle of fresh ammonia solution (or approved equal) for testing for chlorine leakage shall be readily accessible outside

DVR

Is the DVR unit supplied the model specified

Elevation

Identify point of discharge for overflows
Elevation (min & max) critical for booster & tank site selections. Also, validate adequate drainage for peak flows.

Enclosure

Is the security enclosure supplied the unit specified, with appropriate ventilation for the equipment it contains.

Encoder/Decoder/Servers

If encoders/decoders/camera servers are required, are the units supplied per specifications

Fencing

Color & fence variations need prior approval (ornamental, powder coating, sprayed/baked, etc.)
Is fence installed with approved materials in the manner specified
Is fence installed with maximum clearance of six inches above finished grade
Is fence installed free of any large gaps (those greater than 6 inches) at sides/corners
Intruder-resistant fence--A fence six feet or greater in height, constructed of chainlink mesh (9 ga minimum) with three strands of barbed wire (9 ga minimum) extending outward from the top of the fence at a 45 degree angle with the smooth side of the fence on the outside wall. Any
Is fence installed with a minimum of 12 inch mow strip, with galvanized anchors every 3-5 feet.
Is maximum fence post span 10 feet or less

Fireman's Box

Is the fireman's box installed correctly

Is the fireman's box the correct model

Gate Operator

Are exit/safety loops installed at required distances

Do exit/safety loops function properly

Do limit switches appear to be set appropriately

Does operator appear to be adequately anchored

Is gate operator the unit specified

Is gate operator wired appropriately to security access control system

Gates

Does gate have an adequate catch to ensure the gate can not be pushed in or pulled out to create a large gap

Does gate operate smooth and freely, without undue stress on gate operator

Is gate installed free of any large gaps at sides

Is gate installed with approved materials in the manner specified

Is gate installed with maximum clearance of six inches above finished grade

Do all manual gates contain appropriate locks (i.e. SAWS approved depending on type of site, i.e. Production - Schlage lock)

Is gate installed with minimum height of 72 inches for fence fabric (generally chain link), plus 3 strands of barbed wire or using fabric/material

General

Contractor to remove all temp elec/phone services, including poles

Contractors required to maintain vegetation until fully established

Include privacy and screening requirements in specs

Large rocks, excess debris & silt fences removed from site

Grade

Grade well site so that surface waters drain away from well head

Located wholly above grade and must be of steel construction with welded seams except as provided in paragraph (8) of this subsection.

Irrigation

Irrigation systems not required or recommended due to access and maintenance issues. They are considered on a case by case basis and only if

Landscape

Consider eliminating landscaping on small Production sites (monitoring wells) and use alternatives (weed barriers, crushed granite, concrete...)

Within the 12' clearzone on either side of the fence there should be no planted material or landscape feature that is taller than 24" or wider than 15" at full maturity. This landscape should not be planted directly against the fence. If landscape is provided for visual screening of the

Lighting

Does site lighting appear adequate

Location

Installed in lockable building designed to prevent intruder access or enclosed by an intruder-resistant fence with lockable gates.

Panel

Does the access control panel function appropriately

Does the access control panel include the appropriate relays

Is the access control panel the appropriate model

Is the access control panel wired to the switch/router appropriately

Pressure

Air injection lines must be equipped with filters or other devices to prevent compressor lubricants and other contaminants from entering the

Have a pressure release device & an easily readable pressure gauge.

Provided for maintaining the air-water-volume at the design water level and working pressure.

Pumps

No water leaking on floor, pump base or surrounding areas.

Pump/motor should be clean and no grease or oil should be present.

Water from pump stuffing box properly drained.

Radio

If a radio is required are appropriate antennas installed

If a radio is required are the those provided appropriate

If a radio is required are the units mounted correctly

If a radio is required verify all connections are per manufactures specifications

If a radio is required verify appropriate license key and software key are installed

If a radio is required verify the performance of the links to ensure bandwidth is acceptable.

If a radio is required are appropriate Lighting Protection Units (LPU) installed.

Sample Point

Locate raw water sample point on head works, prior to any valves or air release

No vacuum breakers located on sample points Sample point labeled "Raw Water Sample Point." Also, any external points of entry (POE) must

Signage

Include signage in plans & specs

Site Selection

Special requirements of community/ HOA (landscaping, lights, fencing)

Title or deed restrictions that may prohibit use of property as site

Environmental Site Assessment (ESA) must be performed during feasibility period of Purch Agreement

Storage

Roof vents with screens, tank overflow above land surface, overflow to have weighted cover with 1/16" gap, readable pressure gauge 3" or

Switch

Is the switch/router the unit specified

Tank Site

Ground or elevated tank dependent on property size

Trees

Trees planted far enough from fenceline to prevent individuals from using them to climb over fence and gain access to the site. There should

Trees & shrubs set back from property line and planted far enough back (minimum of 12 feet) from fenceline to allow room for maintenance

UPS

Does the UPS have the appropriate management card installed

Is the UPS management card connected to the switch/router supplied

Is the UPS the unit specified

Vandal Guard

For sites with tanks, is the vandal guard installed a minimum of six feet from finished grade and are all tank man-way/hatch openings secured

Vent

Casing vent with 16 mesh or finer corrosion resistant screen facing downwards.

QUESTIONS AND ANSWERS

1. **Question:** Specification Section 13550 lists only one pre-qualified Security System Integrator (Alterman, Inc.). Please clarify if any other Security System Integrators are allowed to participate. Specifying a single firm to perform the Security System Integration, a firm who also is participating as an electrical subcontractor, prevents other qualified electrical contracting firms from participating in this project (unless the SSI services are included as a bid form allowance). [In an] email from Security System Integrator we contacted:

I'm sorry to say that we cannot meet this specification as its currently written. It is hard specified for a GE Interlogix platform.

1. **Answer:** The Scope of Work for Section 13550 Integrated Security System is intended to be independently performed by the Security System Integrator as specified. All other work dictated elsewhere for qualified Contractors shall be executed as specified. Security System Integration work shall be performed as required in the specifications as written. Refer to Addendum No. 1, Part 2 – Technical Specifications, Item No. 9 for modifications to Section 13550.

2. **Question:** Please clarify the following for the referenced project:

Specification Section 02215/3.02.A & 02221/3.05.A stipulate that the Owner is responsible for the costs involved with Quality Control Testing

Specification Section 03300/3.13.A.1.c stipulates that the Owner will select and pay for the independent testing agency for Concrete QC Testing

Specification Section 04220/3.013.A states that the Owner will engage special inspectors to perform tests and inspections

Specification Section 05210/3.03.A states that the Owner will engage a qualified independent testing and inspecting agency

Specification Section 05312/3.04.A stipulates that the Owner will engage a qualified independent testing agency to perform field quality control testing

Typically, SAWS requires the Contractor to include any required QC testing costs in their proposal as a part of the Contractor's Quality Control Program.

Please clarify the responsible party for Independent Laboratory Quality Control Testing costs.

2. **Answer:** Contractor shall provide and pay for all testing services for the project as stated in General Conditions Section 5.3.1 and Specification Section 01400.1.01.A.3. The specifications stating otherwise shall be corrected in Addendum No. 1, Part 2 – Technical Specifications, Item Nos. 1, 2, 3, 4, and 5.
3. **Question:** I am with Fortiline. We prepared a quote for contractors when this project was previously bid earlier this year. So I don't unnecessarily duplicate efforts, can you answer if there were any changes in the Plans for the re-bid? I did notice the Buy America provisions. Is that new this time around? Why were the bids rejected earlier this year?

I am just trying to ensure my quote for piping materials is correct.

3. **Answer:** On January 27th of this year, EPA enacted a new requirement for all federally funded projects to comply with American Iron and Steel terms and conditions. As a result, SAWS determined that the project would be re-advertised to ensure Contractors abided by all requirements. Changes to the contract documents include incorporation of all addenda from the previous advertisement.
4. **Question:** Specification 13500, Article 2.02.A.1 has the Schneider Electric Modicon M580 listed. The M340 has been the previously provided PLC for SAWS, and the M580 is only required if Hart Communications Protocol is a required interface. Specification for the Magnetic Flow Meter 13310, Article 2.01.F.1 show the Output is to be Ethernet IP. Can the M340 PLC be listed also?
 4. **Answer:** SAWS has confirmed using the E+H Proline Promag 53W with the Modbus RTU protocol. The Modicon M340 will be specified.
5. **Question:** Another question: There is a 4" combination air valve called for on the Discharge side of the Pump Station. Detail is on drawing P-4, Detail #4. I can't find any specs for the air valve. Please provide specs and approved manufacturers.
 5. **Answer:** See SAWS Standard Material Specification "Specifications for Air Release, Vacuum & Combination Air Valves for Water Service" (available at www.saws.org). All SAWS Standard Specifications for Water and Sanitary Sewer Construction and SAWS Standard Material Specifications are referenced in the table of contents as a part of the contract documents.

6. **Question:** Can you please check with SAWS on what type of enclosure they want on the vertical motors? The existing motors are WP1, but the spec (16151 Large Induction Motors) calls for TEFC.

6. **Answer:** WP1 – enclosure will be acceptable for the vertical motors in lieu of TEFC as currently specified in Section 16151 Large Induction Motors.

7. **Question:** Ref Spec - Section 01030 –

(First Parameter) The off peak days fall on *November 1 through February 28* per 1.01, A.

(Second Parameter) There are 14 items, listed as/under Critical Operations in Spec Section 01030, 1.02, A., that can only *take place between 10 pm and 6 am (overnight)*.

Please clarify...must both parameters be met for the critical item shut downs?

The options would be;

- a. A critical item shutdown for up to 8 hours can take place on the off peak days, Nov 1 thru Feb 28, during normal business hours...**OR**
- b. A critical item shutdown can take place for up to 8 hours between 10 pm and 6 am...any day of the year...**OR**
- c. Critical Item shutdowns shall meet both of the following parameters; They must take place between the hours of 10 pm and 6 am **AND** the shut downs can only happen on and/or between the following days - Begin November 1 through and end February 28.

General Note 9 on Sheet C-1. Do we bid testing for lead paint? Should there be an allowance for lead abatement? Better to level the playing field going in. The note clearly makes it a definite...maybe.

On the buried valves that are to be replaced (2-36" BFV, 1-24" BFV), what is their depth? If unknown what depth should be bid?

7. **Answer:** Per Specification Section 01030 all critical operation shutdowns must be completed during off-peak months (November through February) and during designated times (10 PM to 6AM).

Refer to the Contract Documents, Instructions to Respondents, Item 5.b, Page IR-2 for instructions related to lead paint materials. Contractor shall review these Instructions to Respondents and determine appropriate accommodations for inclusion in the sealed proposal submitted to SAWS.

The depth of buried valves is not known. Refer to Sheet G-2, General Note 8 for requirements regarding field verification of existing utilities.

8. **Question:** Barnett Bates Corp, is interested in bidding any grating on the above project, all steel, aluminum or fiberglass grating, and including all forms, platforms, treads, etc.

Would you be able to estimate how much grating, is on this project? or if you are able to say if there is more or less than a couple hundred square feet, that would also be very helpful.

Thank you for your time.

8. **Answer:** It is the Contractor's responsibility to review the contract documents for material quantities required for the project.

9. **Question:** Also, found nothing in specs for the:
Double Door Check Valve
Buttefly Valves

9. **Answer:** See SAWS Standard Material Specification "Specifications for Check Valves Dual-Plate Water Style", and SAWS Standard Construction Specification No. 830, Butterfly Valves (available at www.saws.org). All SAWS Standard Specifications for Water and Sanitary Sewer Construction and SAWS Standard Material Specifications are referenced in the table of contents as a part of the contract documents.

10. **Question:** Please add Siemens as an approved manufacturer to specification section 16480 (Low Voltage Motor Control Centers). Siemens is listed in all of the other pertinent sections.

Siemens was added to the specification in Addendum 3 of the original bid (see excerpt below).

14. SECTION 16480 LOW VOLTAGE MOTOR CONTROL CENTERS
Article 2.01.A; Add "Siemens" as acceptable Manufacturer

Thank you for considering adding Siemens to the specifications. If you have questions or need more clarification, please give me a call.

10. **Answer:** Addendum No.1, Part 2 – Technical Specifications, Item No. 11 shall include: Specification 16480 Low Voltage Control Centers 2.01.A; Siemens. Siemens is an acceptable manufacturer for low voltage MCCs.

SAN ANTONIO WATER SYSTEM
University Pump Station Improvements Project
Project No. 12-6002
Solicitation No. B-14-053-DD
Mandatory Pre-Proposal Meeting and Site Visit
July 22, 2014 at 10:00 a.m.
SAWS Customer Service Building, Conference Room C145

NOTE: THE PRE-PROPOSAL MEETING NOTES ARE PROVIDED FOR REFERENCE ONLY AS FOLLOWS:

Introduction

- The meeting was Facilitated by: Maria Franco (SAWS Contract Administrator), Juan Rodriquez (SAWS Project Engineer), and David Bennett (Freese & Nichols).
- This is a mandatory pre-proposal meeting and site visit. Only those firms represented at the meeting by signing in on the sign-in sheet provided at the pre-proposal meeting as well as the sign-in sheet provided at the site visit may submit as a prime contractor for this project.
- This project was originally bid in March of this year but due to funding requirements needed to be re-bid.
- Estimate construction cost is **\$6,000,000**.
- If you have not done so already, please register through SAWS Vendor Registration Program on the SAWS website at www.saws.org to ensure access to the latest information including the posting of Addendums.
 - Addendum No. 1 will be issued this Friday, July 25, 2014.

Texas Water Development Board (Tier III) Funding Requirements

- This project will receive funds from the Texas Water Development Board.
- Additional TWDB forms will be required, please reference the Proposal Checklist.
- Respondents should review and be familiar with the following documents within the specifications:
 - Wage Decisions
 - TWDB Supplemental Conditions
 - Wage and Labor Standard Provisions
 - DBE-0210 Guidance Manual
 - SAWS Frequently Asked Questions
 - American Iron and Steel Guidance Manual

Insurance

- Review Section 5.7 of the General Conditions for insurance requirements, which will include Pollution Liability and Builder's Risk.
- Contractor's insurance must be compliant prior to contract selection

Certified Payroll

- One aspect of TWDB funding includes certified payroll, which is required for this project.

- The selected contractor will be required to submit payroll through the Labor Compliance Program using the LCP Tracker software on a weekly basis within 7 days of work week ending through their website.
- Contractor must determine job classification for each subcontractor and employee and pay accordingly.
- Contractor is required to post Department of Labor wage decisions at the job site.
 - SAWS and TWDB will conduct interview with subcontractors and employees at the job site. Interviews are private and confidential.
 - Please ensure subcontractors and employees know their job classification.
 - Site visits are random and unannounced.
- The prime contractor is responsible for payroll submission regardless of the tier.

Small Minority and Women-Owned Businesses (SMWB)

- The aspirational SMWB goal for this project is **17%**.
- However, since this is a RFCSP, each Respondent's Good Faith Effort Plan (GFEP) will be scored based on the criteria outlined on pages, SIR-3 thru SIR-4 of the Supplementary Instructions to Respondents.
 - Failure to do so may result in reduced points or a non-responsive proposal.
- Questions re: SMWB may be addressed by Marisol Robles. Her contact information is located below.

Evaluation Process *(found on page SIR-1 of the Supplementary Instructions to Respondents)*

- This project is being procured through an alternative delivery method, specifically, Request for Competitive Sealed Proposal (RFCSP).
- SAWS will use the evaluation criteria outlined on page SIR-1 to select the contractor that will provide the best value to SAWS:

Proposal Packet Preparation

- In order to submit a proposal for this project, it is a requirement that Respondents have previous experience as outlined in Section B, on page SIR-1 of the Supplementary Instructions to Respondent.
- Respondents should ensure that the proposals submitted address each item requested by SAWS on pages SIR-1 through SIR-4.
 - Failure to do so may result in reduced points or a non-responsive proposal.
- Responses should be project specific, whenever possible. "Boilerplate" responses are not recommended.
- References provided to SAWS must include valid contact information previously verified by the Respondent. Contractors were reminded to make sure references are current when submitted.
- Utilize the Proposal Checklist included within the specifications when preparing the proposal. This will ensure that all required information and necessary documents are included.
 - And, that documents in the copies are not included.

- Price Proposal is lump sum with allowances. However, it does include 10% mob/demob. Double check your final numbers.
- SAWS requires one (1) original and seven (7) copies along with a CD of the original (excluding the financial statement and price proposal).
- Proposals should not exceed 50 pages. This page limit does not include required forms such as the table of contents, financial statement, GFEP, price proposal and any other required documents.
- Proposals should be sent in a box or large envelope with the price proposal included in a completely separate envelope.

Additional Contract Requirements

- Review Supplemental Conditions for this project that include an explanation of rental rates as it relates to change orders and defines substantial completion.
- Review Special Conditions

Questions Regarding Submittals

- Questions regarding the SMWB Program, the Good Faith Effort Plan or any DBE forms, may be sent directly to SAWS Program Manager, Marisol Robles up until the submission deadline.
 - Her email address is Marisol.Robles@saws.org and her phone number is 210-233-3420.
- All other questions should be sent in writing to Diana Dwyer by email or fax no later than **Wednesday, July 23 by 4:00 p.m.**
 - Diana's email address is Diana.Dwyer@saws.org and her fax number is 210-233-5218.
- Contractors should not contact the SAWS project engineer, the consultant for this project or any other SAWS staff up until Board award.

Proposal Deadline

- The deadline for submitting proposals is **Friday, August 1, 2014 no later than 2:00 p.m.**
- Late proposals will not be accepted and will be returned unopened.
- If mailing proposals, ensure that sufficient time is allowed for the package to reach SAWS.
- If proposals will be delivered in person to SAWS, Respondents should allow sufficient travel time, as well as time to check in at the guard station.

Project Schedule

- Calendar days for this project are **570** for final completion.

Project Overview and Additional Discussion Items

- The project scope as outlined in the RFCSP advertisement was reviewed. The scope of work includes:
 - Construction of a new ten (10) million gallon per day (MGD) high service pump to supplement the current pump capacity to the station. Work shall include, concrete foundation slab, piping, valves, flow meter and other related appurtenances.

- Demolition of existing electrical building, electrical equipment, low and medium voltage wiring, SCADA controls, and other related appurtenances related to this work.
- Construction of new electrical building to contain new and existing electrical equipment, MCC's, switchgear, power panels, security, SCADA controls and other related appurtenances.
- Installation of monopole antenna tower for SAWS Information System (IS) communication system.
- Replace existing electrical low and medium voltage wiring, CPS transformer, and other related electrical appurtenances.
- Replace existing valves at various locations, two (2) vertical pump motors, and other related water appurtenances.
- Construction of new concrete pavement driveway, automatic gate, frontage fence and gate replacement, site security, lighting, and other related appurtenances.
- Critical Items for the project include:
 - Pump station must remain operational at all times.
 - Shutdowns must be planned and coordinated for low-demand time of year as required per the specifications. Specification 01030, Special Procedures, outlines the critical operations SAWS has identified.
 - Coordination with Hausman Road construction (will involve coordination with City of San Antonio).
 - On-site security guard will be required
- The geotechnical report is included in Appendix D of the Contract Documents and is provided for reference only.
- A permit allowance is included in the price proposal to account for obtaining the necessary CPS, City of San Antonio, and traffic control permits.
- Liquidated damages for this project are \$1,000.00 a day (Note: This will be changed per Addendum No. 1. to **\$6,700.00** a day.)
- Special Conditions to keep in mind: project is within the Edward's Aquifer Recharge Zone and will require a TCEQ WPAP; project is within 100 year floodplain so some materials cannot be stored onsite.
- Contractors are reminded to review the TWDB Supplemental Conditions and review Section B of the SIR to ensure your firm is qualified to submit.

Questions during the Meeting

1. Question: Is existing paint lead paint?
Answer: **Neither SAWS or the Engineer have any knowledge of lead based on-site. However, since University Pump Station is an older facility, lead paint may be present.**
2. Question: Is there fiber optics on the site?
Answer: **SAWS is not aware of fiber optics on site. There should not be any since University is an older facility, however this cannot be confirmed.**

3. Question: Will SAWS or the Engineer test paint for lead?
Answer: SAWS and the Engineer will not test paint for lead.

4. Question: A 36" live oak is called out to be removed by others on the plans. Will the Contractor be responsible for the removal of this tree?
Answer: No, the removal of the live oak will be a part of the Hausman Road project (by others).

5. Question: The shutdown schedule calls for shutdowns during the hours of 10 pm to 6 am. Will this be year round?
Answer: No, shutdowns during 10 pm to 6 am will occur between November and February. The shutdown schedule is detailed in Specification 01030, Special Procedures.

6. Question: Regarding the Water Pollution Abatement Plan (WPAP), will the Engineer be doing the geologic studies, new drawings, etc. Will the Contractor be required to maintain any paperwork?
Answer: No, the Engineer will be responsible for all studies and paperwork related to the WPAP. The Contractor is responsible for implementing temporary and permanent SWPPP and BMP's as designated in the Contract Documents.

7. Question: The pump station is to remain in operation at all times, at what capacity? What is the max capacity?
Answer: The capacity fluctuates throughout the year. The max capacity is 25 MGD. Currently there are four pumps, one 10 MGD and three 5 MGD. The Contractor will need to coordinate with SAWS to confirm when shutdowns of certain pumps are possible.

8. Question: Do the critical operations outlined in the specifications revolve around total pump station shutdown?
Answer: No, the critical operations procedures are setup for individual shutdowns and tie-ins of individual pumps, valves, electrical gear, etc. The Contractor shall determine a proposed schedule and sequence for shutdowns and coordinate with SAWS in advance for approval of shutdown schedule.

9. Question: Where the 24" butterfly valve is called out on the plans, you can't see valves to isolate that flow. Can we get a larger drawing or have the valves pointed out in the field?
Answer: SAWS and the Engineer will evaluate the question. During construction, SAWS operations staff will work with the Contractor for location of isolation of valves..

10. Question: Why has this project already been bid before?
Answer: On January 27th of this year, EPA enacted a new requirement for all federally funded projects to comply with American Iron and Steel terms and conditions. As a result, SAWS determined that the project would be re-advertised to ensure Contractors abided by all requirements. Funding issues were also a concern. Changes to the contract documents include incorporation of all addenda from the previous advertisement.



MEETING SIGN-IN SHEET

Project: SAWS University Pump Station Improvements Project Job No. 12-6002	Meeting Date: July 22, 2014 Meeting Time: 10:00 AM – 11:00 AM
Subject: Mandatory Pre-Proposal Meeting	Place/Room: CR-C145

Name	Company	Phone	E-Mail
JUAN G. RODRIGUEZ	SAWS	210-233-3598	jgrodriguez@saws.org
WAYLAN SIMMONS	LAMBDA CONSTRUCTION	830-629-5808	waylane@stx.net.com
Chuck Hazlewood	Shannon-Monk, Inc.	(210) 688-9461	chazlewood@shannon-monk.com
Nelson Fedorose	ALTERMAN	210-510-8150	N.Fedorose@golatterman.com alterman.com
JAKE BLOUNT	ALTERMAN	210-215-6849	jkblount@golatterman.com
DAVID STEPHENS	PAYTON	(512) 847-3702	stephens@anvil.com.com
WENDELL PAYTON	PAYTON CONSTRUCTION, INC.	(512) 847-3702	wpayton@anvil.com.com
Saaib Shirazi	SAWS	210-233-3480	s.shirazi@saws.org
JIM PEDRAZA	SAWS	210-233-3991	jpdrvaz@saws.org



MEETING SIGN-IN SHEET

Project: SAWS University Pump Station Improvements Project Job No. 12-6002	Meeting Date: July 22, 2014 Meeting Time: 10:00 AM – 11:00 AM
Subject: Mandatory Pre-Proposal Meeting	Place/Room: CR-C145

Name	Company	Phone	E-Mail
Promo Sandblasting	Georgeburcia	210 633-2039	Promosandblasting @SATX.RR.com
Mike Pantler	MGC	210 694-0565	TX bids @ mgccontractors.com
Mike Watson	Pepperlawson	800-536- 7992	waterworks bids @ pepperlawson.com
Maria Franco	SAWS	210 233-3405	m.franco@saws.org
KEVIN MONK	SHANNON-MONK, INC.	210/668-9161	kmonk@shannon-monk.com



MEETING SIGN-IN SHEET

Project: SAWS University Pump Station Improvements Project
Job No. 12-6002

Meeting Date: July 22, 2014
Meeting Time: 10:00 AM – 11:00 AM

Subject: Mandatory Pre-Proposal Meeting

Place/Room: CR-C145

Name	Company	Phone	E-Mail
Scott Carter	Prime Controls	210-718-0040	scarter@prime-controls.com
Jason Ford	Prime Controls	281-253-2126	j.ford@prime-controls.com
Denise Graybeal	United Rentals	210-484-7970	dgraybea@ur.com
DAVID BENNETT	FREESE & NICHOLS	210-298-3829	dthb@freese.com
Estella Cota	Freese & Nichols	210-298-3809	estella.cota@freese.com
JEFF BARRETT	ALAMO 1	210-429-1494	JBARRETT@ALAMO1.COM



MEETING SIGN-IN SHEET

Project: SAWS University Pump Station Improvements Project Job No. 12-6002	Meeting Date: July 22, 2014 Meeting Time: 11:30 AM - 12:30 AM
Subject: Mandatory Site Visit Meeting: 7050 Hausman Road, San Antonio, Texas 78249	Place/Room: On-Site

Name	Company	Phone	E-Mail
JUAN G. RODRIGUEZ	SAWS	233-3598	jgrodriguez@saws.org
DAVE VANDYNE	BRB Contractors	785-806-5347	david.vandyne@brbcontractors.com
Chuck Hazelwood	Shannon Monks	210-888-9461	chazelwood@shannon-monks.com
WAYLAN SIMMONS	LAMBDA CONSTRUCTION	830-627-5880	waylan@lambdacorp.com
KEVIN MONK	SHANNON MONK	688-9461	-
DAVID STEPHENS	PAYTON CONST.	(512) 847-3702	stephens@anvil.com.com
George Garcia (Sharon)	Pronto	210-633-2039	prontosandblasting@sa.tx.us
JEFF BARRETT	ALAMO I	210-429-1494	JBARRETT@ALAMO.COM
Mike Panter	MGC	210-694-0565	txbids@mgccontractors.com
Jason Ford	Prime Controls	281-253-2126	Jford@primecontrols.com
KEIKY COURTNEY	LAUGHLIN-THYSSEN	713-429-6500	TYLER@LAUGHLINT.COM
WENDELL PAYTON	PAYTON CONST. INC.	512-847-3702	wpayton@anvil.com.com
Jason Dockery	Odessa Pumps	210-883-5371	jdockery@odessapumps.com
David Brock	Odessa Pumps		dbrock@odessapumps.com
Nelson Frohose	Atterman	210-510-8150	NFrohose@goalterman.com
Mike Watson	Pepper Lawson	210-782-8200	waterworks@pepperlawson.com