



**WATER RESOURCES INTEGRATION PROGRAM (WRIP) PHASE 2,
PUMP STATION IMPROVEMENTS
SAWS Job No. 16-8604
SAWS Solicitation No. CO-00339**

**ADDENDUM 3
July 7, 2020**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

Attention: Proposals will be received either electronically or through sealed proposals, until 2:00 pm (CDT), July 16, 2020. See Addendum 2 for Details.

| |
|-------------------------------|
| RESPONSES TO QUESTIONS |
|-------------------------------|

1. Specification Section 16600 3.01 E states to reinforce the duct banks as shown on the Drawings, however, no details are provided. Please provide the details.
Response: Duct bank detail is provided as part of Addendum No.2 on Sheet E-1904 and E-2902.
2. Please provide duct bank penetration detail to cable tray vault wall below grade.
Response: Below grade duct bank penetration detail provided via Addendum No. 2 on Sheet E-1904 and E-2902.
3. Sheet E-1401 note 5 refers to Sheet E-1606 for Heat Trace details, however, E-1606 does not have heat trace schematic for the Surge Tank. Please clarify.
Response: Schematic added by Addendum No. 2 to Sheet E-1606.
4. Please provide the existing cable tray drawing below the Electrical Room at the H2Oaks site for cable routing in the cable trays.
Response: Existing cable tray drawings will not be included as part of the set of bidding documents as they are not new.
5. Please verify the underground conduit from LVMH-2 to OPRV-205 control panel and OPRV-205 for circuits 777, 764 & 763 outside of the pump station foundation shown on Sheet E-1202 are existing. As Note 1 on that sheet states pull new wires in existing spare conduit.
Response: The spare conduit are only intended to refer to the conduit inside the slab to the pump and associated equipment, not to the OPRV. Conduit from the manhole to the OPRV and OPRV control panel are new. This has been clarified by Addendum No. 2.
6. Please verify the scale provided on Sheet E-1103, structural dimensions do not match other drawings when using scale provided.
Response: Scale modified by Addendum No. 2 to 1" = 20'.
7. Sheet E-1004 conduit #/cable ID 525 has keynote 1 stating (3") spare conduit have been in installed under phase 1. This conduit / cable shows a (2") conduit in duct bank section 9 between the electrical building to new LVMH-3 & then to the Booster Pump area. Please clarify regarding the keynote and the conduit size to be utilized.

- Response: Keynote 1 next to conduit tag 525 has been removed from sheet E-1004 by Addendum No. 2.
8. Sheet E1304 Detail F references a keynote 3 which is not shown on the drawing. Please advise.
Response: Keynote 3 on E-1304 has been changed to keynote 2 by this Addendum.
9. Please provide the Old Pearsall Road Pump Station Booster Pump Station Grounding plans.
Response: Grounding has been added to Sheet E-1301 for the Booster Pump Station by Addendum No. 2.
10. On S-1301 Note #1 refers us to the elevations for the pumps will be in the civil drawings, but does not show any elevations on civil or structural. Is there any way we can get either elevations or the depth the 5 pump cans need to be? Please advise.
Response: Refer to Sheet C-1110 Pipe A Profile and D-1302 for pump can elevation information.
11. Section E.1.vi of Supplementary Instructions to Respondents states that, "In order to supplement the financial strength of the entity being proposed to enter into contract, the respondent may propose a guarantor who will guaranty the Contractor's obligations under contract through a separately executed guaranty Contract in favor of SAWS". What requirements do proposers have that wish to do this? Simply identify the guarantor in the proposal? Or is some other additional documentation necessary at this stage of RFCSP?
Response: SAWS would require the information regarding the guarantor and may also request the respondent to submit the guarantee agreement for reference.
12. Please provide limits of liability on Installation Floater, (if owner determines they also require this coverage in addition to Builder's Risk coverage).
Response: Policy limits shall be in an amount equal to the total contract cost contracted herewith.
13. In spec section #17310. 2.01.A.2. Electromagnetic Flow Meter. It says that all Pump Discharge Flow Meters will match existing manufacturer flow meters already installed. Can we please get info on the existing Magnetic Flow Meters already installed?
Response: The existing flowmeters in the PZ930 pump station and the H2Oaks pump station are Rosemount 8750W magnetic flowmeters with remote transmitters and stainless steel grounding rings.
14. Can owner clarify the purpose of the Rigger's Insurance requirement? Section 5.7.4 of the Supplemental Conditions adds in Rigger's Liability, "For the Contractor's work involving the moving, lifting, lowering, rigging or hoisting of property or equipment, Contractor and/or any relevant sub-contractor shall carry Rigger's Liability Insurance to insure against physical loss or damage to the property or equipment". We believe this additional insurance is redundant and that between the Equipment coverage on our General Liability policy and the Property coverage on our Builder's Risk policy that we would have these exposures fully covered.
Response: Crane usage requires Rigger Liability Insurance for this project.
15. If the owner does require this additional Riggers Insurance coverage then please clarify the limits. Section 5.7.4 of the Supplemental Conditions indicates that the Rigger's Liability policy limits, "Shall be in an amount equal to the total construction cost contracted herewith". The limits should only reflect the value of the most expensive property being lifted, not the value of the entire project...?
Response: Rigger's liability covers unique exposures associated with the moving, lifting, lowering, rigging or hoisting of property or equipment. This coverage may be excluded in other polices due to "care, custody or control" exclusion. Builders risk policy on a project may contain coverage for property for of others which the insured may be liable for but there may be separate deductibles or may not include coverage for loss of use. The limit of insurance should be of the value of the most expensive item(s) being rigged at one time.
16. RFCSP IV-2 states that Electronic Sealed proposals will be received via the secure SAWS FTP site and information for an electronic bid submittal is located in the Electronic Bid Opening Instructions attachment. Please clarify where this attachment is located.
Response: If Respondent intends to submit bids electronically, Respondent will need to submit a request by July 15, 2020 by 10:00 AM CDT to receive access to the File Transfer Protocol (FTP) site via email to Stella.Manzello@saws.org. Respondent's email requesting access to the FTP site shall provide the legal name of Respondent's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after July 15, 2020 by 10:00 AM (CDT).

17. Drawing D-1201 shows, equipment list item 4 as Pressure Gauge & Pressure Switch. Drawing I-1201 doesn't match. It appears that PI204C should follow Detail 3 / D-1505, PI204B should follow Detail 2 / D-1903 and PI204A should follow Detail 2 / D-1903. Please Advise.
Response: Equipment Item 4 refers to PI-204A and PSL-204 on sheet I-1201 and should be installed in accordance with details 2 and 3 on sheet D-1903, respectively. PI-204B and PI-204C should be installed per detail 2 on sheet D-1903, both with a ball valve for flushing.
18. Drawing D-1201 shows, equipment list item 12 as a 2" Heavy Duty Air Release Vent, 2-OARV-206. Please advise if Detail 1 / D-1901 should be followed.
Response: Detail 1/D-1901 shall be used for 2-OARV-206.
19. Drawing D-1201, 2" Tap Drain is called out as Detail 4 / D-1904. Please confirm the correct callout should be Detail 4 / D-1901.
Response: The detail for the 2" Tap Drain is Detail 4 on sheet D-1901, refer to the changes to the plans Drawing D-1201 PZ930 Pump Plan and Section of this addendum.
20. Please confirm there are no Buy American, AIS, or other material requirements for the project.
Response: This project is not federally funded and thus not subject to the American Iron and Steel requirements applied to federally funded projects.
21. Price Proposal, Page 2, Bid Item 4 is a unit price bid item of 155 CY for the Old Pearsall Road Pump Station Ground Storage No. 2 Foundation and Membrane Floor. The floor slab and foundation for the ground storage tank is designed by the Tank Contractor and could vary from the 155 CY listed. Please include this bid item as part of Bid Item No. 2 'Old Pearsall Road Pump Station' or inform how this item will be paid out and bid if the tank floor slab and foundation CY are expected to differ from the prefilled 155 CY.
Response: The drawings show the minimum dimensions for the foundation design. If the Contractor's independent geotechnical engineering data and recommendations require foundation dimensions requiring additional concrete, at SAWS' discretion, SAWS may pay for the extra quantity at the contract unit price for Bid Item No. 4 "Additional Concrete for Foundation and Membrane Floor for Ground Storage Tank No. 2".
22. Specification Section 13207, Article 1.01.F., references that the Contractor shall employ a Geotechnical Engineer to provide a subsurface investigation complying with the recommendations in Appendix A of ACI 372R. Please confirm that Arias may be used for this report. Also, please confirm how changes to the subgrade preparation or floor slab design will be covered on a cost basis if there are changes from the report that is issued as part of the bid documents.
Response: Arias can be used as Geotechnical Engineer at the discretion of the Contractor. SAWS does not endorse nor recommend any Geotechnical Engineer in particular. Only changes to the requirements for additional excavation and fill may be compensated for separately at SAWS discretion using Bid Item No. 5 "Additional Structural Excavation and Fill."
23. Specification Section 13207, Article 2.02.B., indicates non-prestressed reinforcement bar size shall not be greater than a #5 bar. Please confirm the tank designer may utilize up to a #6 bar size in accordance with AWWA D110.
Response: Please use bar size no greater than #5 bar as required in this project.
24. Specification Section 13207, Article 2.04.F., indicates a 6-inch leveling base for the compacted select fill directly beneath the tank floor. The tank subgrade prep detail on Drawings Sheet C-1113 shows a minimum of 1-foot of free draining material required beneath the tank floor slab and the tank footing. Please confirm the required minimum leveling base thickness beneath the tank.
Response: Please use a minimum of 1-foot of free draining material as required by C-1113 to meet requirements at both places.
25. Specification Section 13207, Article 2.06.G, indicates the AST vent screen shall be made of PTFE. Please note that AST cannot provide this screen material. Please confirm a 316 S.S. screen is acceptable.
Response: Yes, 316 SS screen is acceptable, see change to Section 13207 included in this addendum.

26. Contract Drawings Sheet C-1105, shows an overhead electric line running along the east side of the site and entering the site on the south side. Please confirm the voltage of this line for OSHA safety offset purposes.
Response: The overhead electric lines are CPS Primary service at 13.2 kV or higher. Coordinate with CPS Energy for exact voltage before beginning any work around the lines.
27. Sheet S-1502, indicates the tank footing extends 2'-0" minimum beneath finish grade. Please note industry standard footing depths range from 1'-0" to 1'-6" to accommodate tank shell loadings. Please confirm the tank manufacturer may determine the required footing thickness.
Response: The footing embedment shall be a minimum of 18" thick with 12" minimum into select fill material, and a minimum of 3' width. Refer to Drawing S-1502 in the changes to drawings of in Addendum 1.
28. Is there someone we can coordinate a site visit to the Old Pearsall site? We would like to inspect the site prior to bidding. It would only take 10 minutes at most.
Response: Site visits will not be scheduled due to the COVID-19 pandemic. Contractors are encouraged to view aerial photos in order to become familiar with the sites. No contractors will be allowed inside SAWS facilities.
29. Drawing D-1302, Section A, shows a pipe support closet to the Pump Discharge Flange, and notes it to be per Detail 3 / D-1901. Should this reference Detail 2 / D-1902, as the other pipe supports shown on D-1302?
Response: Pipe support detail shall be 2/D-1902, refer to the changes to the plans Drawing D-1302 - Booster Pump Pad Section of this addendum.
30. Drawing D-1402, Section B, has two 24" Flange Coupling Adapters shown. One references Detail 5 / D-1901, and the other does not. Detail 5 / D-1901 is for a Pressure Switch. There appears to be three shown. Please confirm if they are to be per Detail 6 / D-1902, with thrust harness, along with confirmation that three are required. If not, please provide appropriate Detail callout if required.
Response: Three flange coupling adapters with thrust harness are required per detail 6/D-1902. Refer to the changes to the plans Drawing D-1402 - Surge Tank Section and Details of Addendum No. 2.
31. Drawing D-1402, Section B, shows the Pipe Supports to be per Detail 3 / D-1901. Please confirm this should reference Detail 2 / D-1902.
Response: Pipe support detail shall be 2/D-1902, refer to the changes to the plans Drawing D-1402 - Surge Tank Sections and Details of Addendum No. 2.
32. Detail 1 / D-1502, calls out an Adjustable Galvanized Pipe Support, per Detail 3 / D-1902. This detail doesn't exist. However, on Detail 3 / D-1503, the same Adjustable Galvanized Pipe Support references Detail 2 / D-1092. Detail 2 / D-1902 doesn't have criteria for a 48" Pipe. Please provide detail.
Response: Delete the adjustable galvanized pipe support from Detail 1/D-1502. Design the pipe to be fully supported by the tank wall. Also delete the adjustable galvanized pipe supports indicated on Detail 3/D-1503 and design pipe to be fully supported by the tank wall as indicated above. See changes made to Sheets D-1502 and D-1503 by this addendum.
33. Please clarify materials for Pipe Supports, per Detail 1 / D-1902.
Response: Provide hot-dipped galvanized carbon steel pipe support per detail 2/D-1902.
34. Detail 2 / D-1503, calls out an Adjustable Galvanized Pipe Support, per Detail 3 / D-1902. This detail doesn't exist. Please confirm if Detail 1 / D-1902 should be used.
Response: The pipe support is per detail 2/D-1902. See changes to Sheet D-1503 by this addendum.
35. Specification 17300 1.01.D states that the PCSI should be a first-tier subcontractor to the General Contractor. Since the Electrical Subcontractor and the PCSI coordinate significantly throughout the course of a project of this scope, the PCSI traditionally is a subcontractor to the Electrical Subcontractor. The specification is dictating how the General Contractor arrange this particular subcontractor relationship. Please consider removing the requirement that the PCSI be a first-tier subcontractor to the General Contractor.
Response: Requirement for PCSI to be a first-tier subcontractor was deleted from the specification by Addendum No. 2.

36. Spec section 17300 1.06 C. 2. a. shows a performance bond requirement for the ASP and none for the PCSI. This has not been a SAWS ASP requirement in the past. Please confirm whether this was meant for the PCSI.
Response: Requirement for ASP performance bond was deleted from the specification by Addendum No. 2.
37. Do the listed PCSIs and ASPs have to meet the qualifications listed in the respective spec sections; the main concern being the bond requirement?
Response: Requirement for ASP performance bond was deleted from the specification by Addendum No. 2.
38. Drawings CP-2101 and CP-2104 shows Cathodic Protection for Proposed Pressure Zone 1111 (Line C). This line is not indicated on C-2103 or C-1111, nor is there a plan and profile drawing for this line. Please Advise.
Response: This line (Line C) has been confirmed to no longer be part of the pipe design package. The Cathodic Protection design was revised to reflect this pipe design change by Addendum No. 2.
39. Drawing C-2103 has a callout on the 48" Recharge Bypass Line for the 4' Wide Concrete Channel, C-202. Is this a new channel or existing? Please advise.
Response: This channel is existing. The call out should be referencing Sheet C-2102, "Existing Conditions", not sheet C-202 as changed on sheet C-2103 by this addendum.
40. Drawing C-2103 has a callout for the Proposed Drain Assembly and Drain Structure, Detail 3 / D-2507. C-2115 shows a Type I, Pipe Drain Structure at STA 2+17.75. The Type I Drain Structure shown on D-2507 doesn't have a 4' Wide Concrete Channel. Please Advise.
Response: The note on Sheet C-2103 calls for Detail 3 on Sheet D-2507, which is the Type 2 Drain Structure and does show the four foot wide concrete channel. The note on Sheet C-2115 will be changed to reference the Type 2 Pipe Drain Structure by this addendum.
41. There is also a Cathodic Test Station (INSUL. FLG) to Be Located Abutting Structure. CP-2103 for Line B, doesn't show this. Is this new or existing? Please Advise.
Response: Unable to find reference to Cathodic Test Station (INSUL. FLG) on the civil drawings that this question refers to. CP-2103 should accurately reflect the new test station locations and points of electrical isolation. The insulating flange shown on Detail 3 Sheet D-2507 does not include a Cathodic Test Station.
42. Drawing D-2201, Note 5, calls for the Valve Pipe Support to be per Detail 2 / D-2511. This detail is for an adjustable pipe support. Please confirm the correct Detail should be 1 / D-2512.
Response: Note by Symbol 5 on D-2201 should reference 1/D-2512, "Valve Support Details." See change to plan drawing D-2201 by this addendum.
43. Drawing D-2201, Note 7, states to remove the existing valve and replace. Please provide Manufacturer, Model Number and Lay length of the existing valve, to determine if there will require and modifications to the existing pipe to install the new valve. Please also confirm if there is an existing 30" Restrained Flanged Coupling Adapter at the valve.
Response: Existing valve is Cla-Val, Model Number 58-01. Contractor to coordinate valve dimensions with valve manufacturer and field verify. There is an existing 30" restrained flanged coupling adapter at the valve. Contractor to furnish new 30" restrained flanged coupling adapter, as needed to install the proposed valve.
44. Drawing C-2113 shows an 18" Pipe Inspection Access Port at STA 2708+40. It is assumed that this should follow Detail 3 / D-2512. Finish Grade is roughly 989, and the Top of Pipe is roughly 979.88. The detail doesn't show a ladder for access into the vault. Should there be a ladder or should there be an 18" riser pipe to raise the 18" Gate Valve to an accessible level. Please Advise.
Response: Contractor to install vault ladder for accessibility to pipe inspection access port at STA 2708+40, as shown in Detail 6/C-1901.
45. Due to the size of the project and the short time between questions being answered and the bid date, can the bid opening be pushed back two weeks?
Response: See Addendum 2.
46. Can SAWS schedule a site visit for interested contractors? If not, can contractors schedule site visits individually?

Response: See answer to questions #28 above.

47. What construction impacts will the Karst Preserve Easement have on the installation of the 48" pipeline?
Response: Contractor shall not enter or cause any damage to the Karst Preserve Easement. All construction staging must be contained within the limits of construction.
48. Where will the tree grating shown on LI-1904 be installed?
Response: The tree grating will not be used. See change to Sheet LI-1904 by this addendum.
49. When is a double lap weld required vs a single lap weld as shown on C-1902.
Response: Double and Single lap weld requirements are indicated on the profile drawings C-1110, C-1111, and C-1112.
50. Sheet C-1902 shows cement mortar lining, not epoxy lined. Please confirm this is correct.
Response: All buried steel pipe shall be cement mortar lined except for Pipe A and other piping on the suction side of the pump station, which shall be epoxy lined. See revisions to Section 15065 in this addendum.
51. Drawing D-3101, Key Note 14 is for the 2" Drain and Sample Tap. It references SAWS Standard Detail DD-901-03. We have tried to locate this detail on the SAWS website and are unable to locate. Please Advise.
Response: SAWS Detail DD-901-03 is found at the following link:
https://apps.saws.org/business_center/specs/design/HighServicePumps/drawings/dd-901-03-3.PDF
52. Drawing D-3101, Key Note 1 is for the Pressure Gauge. It references Detail B / D-3502. This detail is not available. Please Advise.
Response: Reference for the pressure gauge should be "B/I-3902"
53. Drawing D-31101, Plan View, at VTP-105, there is a callout See Note 11. This note is not shown on the plans. Please Advise.
Response: Callout should read "See Note 8".
54. Drawing E-1202 shows the Flow Transmitter Electrical Rack. In the PZ930 Pump Station Section view, it appears that there is a housekeeping pad the whole length and width of the rack. However, Detail C just shows the baseplates receiving grout under them. The Detail also appears that the rack is located on the ground. Please Advise.
Response: Installing the rack directly on the structural pad with grout beneath is acceptable to match the existing racks. Drawing modified by Addendum No.2.
55. Drawing E-1304 shows the Heat Trace Control Cabinet in the Booster Pump Station Section view, appears to be installed on the ground. Should there be a concrete pad installed for the base plates? Should it be the whole length and width of the rack, or just under each base plate? Please Advise.
Response: Install rack on concrete pad spanning the whole width and length of the pad with grout beneath the baseplates. Drawing revised by Addendum No. 2.
56. Drawing D-2501, Detail 1, indicates the Temporary Blow Off Assembly as a separate Pay Item. The current Bid Form doesn't have a Bid Item for this. Please Advise.
Response: The Temporary Blow Off Assembly shall be included in the "Water Tie-ins" bid item.
57. Where is contractor staging area at each site? We need an area to stage materials and office trailers at Old Pearsall and Anderson, but we did not see any indication on plans for staging areas.
Response: At the Old Pearsall Road Pump Station Site, all staging shall be south of the existing main drive into the site off of Old Pearsall Road. Contractor's attention is drawn to the requirement that the main driveway and gate not be used by the Contractor for construction access and that alternate access is required at the Southeast corner of the property per General Notes on sheet C-1102. No other areas will be available to the Contractor for use at the Old Pearsall Road site. Approximately 6,000 square feet of space outside of the actual work areas on the Anderson Pump Station site will be made available to Contractor for trailers, parking, and/or staging

Per Note 1 on Sheet C-2001, Contractor's staging, parking, and material storage shall be dictated by coordination with SAWS. It is the sole responsibility of the contractor to verify that all staging, parking, and material storage does not hinder operation of the existing facility.

58. Spec 11313 calls for factory witness testing of pumps. Will the CONTRACTOR actually be required to reimburse representatives, or will we be required to arrange and pay for all accommodations (airfare, hotel and rental car) and then reimburse for daily per diem rate? Since some pump suppliers don't carry this on bid day and it is hard to know the exact cost of all these expenses, would SAWS create an allowance to be used for expenses associated with factory witness testing? Something similar to permit fees.
Response: No allowance will be created for this item.
59. Where are Tree Grate Details on sheet LI-1904 to be used? We did not find the reference to these details in the plans.
Response: The Tree Grate is not used.
60. Is grounding required for permanent fencing?
Response: Install fencing per SAWS standard details, no grounding required.
61. Specification 15065- Section 2.02.A. designates A283 Grade C steel with has a min yield of 30,000 psi for the pipe on this project. In the C-200 water pipe market, we usually see higher strength steel specified for the pipe. Many previous SAWS projects have been supplied using higher strength steel. One Example: SAWS Job No. 14-8606 Pipeline Segment 2B specified steel with yield of 42,000 PSI. Using the higher strength steel will certainly offer a substantial cost benefit. Question: Will you please approve, ASTM-A139 Grade C for the steel pipe & fittings on this project?
Response: ASTM A139 Grade C will be accepted, refer to changes to the specification within Addendum 2 for modifications to the steel pipe specification.
62. What are the chances of pushing the bid date back a week? We lose an extra day with the 4th. of July.
Response: See Addendum 2.
63. Could you please clarify the following discrepancy within the Evaluation Criteria for the Water Resources Integration Plan (WRIP) Phase 2, Pump Station Improvements (Job No. 16-8604, Solicitation No. CO-00339): There appears to be a typographical error on the project reference forms beginning on EV-6: Project is within the last ten (15) years: According to the Supplemental Instructions to Respondents, project references should be "within the last fifteen (15) years" (E-2-A.-pg. SIR-5). Can we assume that the project reference forms should also read "fifteen (15) years"?
Response: Correct. Project reference forms should read fifteen (15) years. See changes to specifications by this addendum.
64. Drawing C-1111 shows a Horizontal Bend at STA 11+87.55, but isn't shown on C-1108. Please advise on angle of bend required at this point.
Response: A horizontal bend is not located at STA 11+87.55, refer to changes to the plans drawing C-1111 in Addendum No. 2.
65. Drawing C-1112, Pipe E Profile, shows STA 10+00.00 "Begin Pipe E Top Elevation = 676.75", above the pipe. At the bottom, it shows Top of Pipe at 681.87. Which is correct? In addition, 48-OBFV-214, at STA 10+29.99 calls for the Top Elevation to 672.75. No sloping of the pipe is shown, so wouldn't it match the Tie-In Elevation? Please Advise.
Response: The Pipe E top elevation is 676.75. The elevations at the bottom of the profile labeled top of pipe are not correct. The 48-OBFV-214 top of elevation is 676.75. Refer to changes to the plan drawing C-1112 in Addendum No. 2.
66. Please verify that within the entire area to clear/grub for the Proposed Water Transmission Main easement there is only one tree to protect. Sheet C-2105 is the only sheet that shows specific tree protection.
Response: This is correct. Sheet C-2105 shows the only tree to be protected within limit of construction of proposed Anderson Pump Station Improvements Pipeline.

67. Sheet E-1005 Note 3 shows on the table column for shielded instrument cables. Please clarify whether a separate ground is required for shielded pair & triad TC rated cables in conduits.
Response: Note 3 applies to both the control wire and the instrumentation (TSP and triads) as indicated. The shield is not a ground wire so a separate ground wire is required.
68. Please provide grounding requirements at the Flow Control Valve OPRV-201 assembly for Old Pearsall Road Pump Station.
Response: Rack shall be grounded as required per Detail F on Drawing E-1901. The flow meter shall also be grounded per manufacturer's requirements. Tie to the same ground rod as the rack.
69. Please confirm whether there are floor penetrations below the existing MV Switchgear, PSC-204 and 480V MCC in the Electrical Room to the cable tray vault for the new cables or will new core drilled holes be required.
Response: All penetrations were made under Phase 1. They were set based on a certain manufacturer at that time and must be field verified as part of this project based on the manufacturer selected in this project. Cores may be required if the openings do not line up with the manufacturer selected.
70. Sheet E-1501 shows 2 Heat Trace Terminal Boxes (1) at LIT-501 and (1) near the 48" discharge outlet (12 o'clock position) is the second Terminal Box to be located at the 3/4" sample and level transmitter taps located at the 3 o'clock position directly across the LIT-501 as shown on D-1501? Also, no details are shown for the installation of the terminal boxes. Are they to be installed on the tank wall? Please Clarify.
Response: The two heat trace terminal boxes need to be located at the two 3/4" sample and level transmitter taps (9 o'clock and 3 o'clock). Drawing modified by this addendum.
71. Sheet E-1501 Detail B seems to show conduit# 522 from JP6 to GST No. 2 Level Relay Panel as well as Heat trace panel to Heat Trace Terminal Boxes to be route above ground. However, the Detail C shows conduits to be routed underground outside of the tank perimeter drain a reinforced DB with 2" conduits. Please clarify which routing is to be utilized as only place to route conduit to various equipment is on the 1'-3" exposed GST Tank Slab or the GST Tank itself. Please clarify the acceptable routing.
Response: Route the conduit in the slab of the GST. Anywhere the conduit can be installed in the slab, that is preferred to make for a cleaner installation.
72. Please verify the scale on Drawing E-2101 as well as all Anderson Pump Station layout drawings.
Response: On E-2101, scale will be corrected to 1" = 20' by this addendum.
73. Drawing E-1003 note 22 refers to Specification Section 16670 to provide Lightning protection for all structures, However, Specification Section 16670 Lightning Protection does not mention structure to be protected nor does the drawings mention lightning protection. Please clarify what structure lightning protection is required on.
Response: Drawings will be modified by a future Addendum to identify the structures requiring lightning protection.
74. "Background: Section 13207-2.04.B of the tank specs recommends "...at least 8 feet of undercut or as needed from the existing ground surface (at least El. 672 feet)..." (underlines added).Also, given the soil properties reported in the boring logs, an excavation depth of 8 feet below existing grade (to elevation 672') appears to be technically preferable. On the other hand, Detail 2 of Sheet C-1113 shows an excavation depth of 8 feet below finish grade (elevation 682') namely to elevation 674'. a. What grade surface should the 8-ft excavation be measured from - existing or final? OR b. Which is the correct excavation elevation – 672' or 674'?"
Response: The correct excavation elevation shall be to 672 feet.
75. Background: Section 13207-2.04.F of the tank specs specifies a minimum 6-inch leveling base thickness, while Detail 2 of Sheet C-1113 shows 12" thickness under the tank center and 12" under the perimeter footing, with a varying thickness in between. Can we assume that leveling base "profile" should be defined by a 12" thickness under the tank center and 12" under the perimeter footing, with a varying thickness in between as shown in Sheet C-1113?
Response: Yes, the 12" thickness requirement shall be followed.
76. Can owner clarify the purpose of the Rigger's Insurance requirement? Section 5.7.4 of the Supplemental Conditions adds in Rigger's Liability, "For the Contractor's work involving the moving, lifting, lowering, rigging

or hoisting of property or equipment, Contractor and/or any relevant sub-contractor shall carry Rigger's Liability Insurance to insure against physical loss or damage to the property or equipment". Between the Equipment coverage on our General Liability policy and the Property coverage on our Builder's Risk policy we have these exposures fully covered and are therefore requesting this requirement be removed.

Response: See answer to question 14.

77. If the owner does require this additional Riggers Insurance coverage then please clarify the limits. Section 5.7.4 of the Supplemental Conditions indicates that the Rigger's Liability policy limits, "Shall be in an amount equal to the total construction cost contracted herewith". The limits should only reflect the value of the most expensive property being lifted, not the value of the entire project...?

Response: See answer to question 15.

78. On drawing I-1101 "Old Pearsall Rd." You show in bold print a Radio and Antenna attached to an existing 50' Tower. I'm assuming the Radio & Antenna are new since they are in bold print? If they are. I can't find a specification on them? Please provide one.

Response: The referenced radio and antenna are existing.

79. Given slowdowns associated with COVID19 and time lost for the coming July 4th holiday can the bid date be extended by two weeks? This would ensure the most thorough proposals & competitive prices are available for SAWS.

Response: See Addendum 2.

80. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: Does the offered baseplate need to meet certain dimensional/footprint requirements?

Response: There is not an existing equipment pad nor are there existing anchors for the new pump, thus contractor shall construct a new equipment pad of suitable dimensions and anchorage within the existing space available to accommodate the approved pump provided.

81. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: Does the offered pump require certification by NSF 61?

Response: All wetted parts of the pump must be NSF 61 certified.

82. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.04.D.4 - Can the requirement for "hydraulic thrust and radial load calculations" be waived? This is an unusual request for this pump design and has minimal value-add. Bearing life calculations can be provided if necessary.

Response: These requirements will not be waived.

83. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.04.D.5 - Can the requirement for "shaft design calculations including deflection at impeller and at packing glands" be waived? This is an unusual request for this pump design and has minimal value-add.

Response: These requirements will not be waived.

84. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.04.D.6.k – Can the requirement for "Shaft design calculations along with worst case shaft deflections at the wear rings and at the packing glands." be waived?

Response: These requirements will not be waived.

85. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.06.H.2.b/c/d – These items are specifying Material Test Reports (MTRs) with chemical/physical properties. The materials for this unit are Cast Iron. The pump manufacturer would not support MTRs for this material and would verify the material via visual inspection and hydrostatic testing only. Please remove these requirements from the requisition.

Response: These requirements will not be waived.

86. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.06.H.2.f – Magnetic Particle Testing cannot be applied to Cast Iron materials. Please remove this requirement from the requisition.

Response: Paragraph 1.06.H.2.f requires either "magnetic particles test reports or Hydro and visual reports for the volute and impeller."

87. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS: 1.08.A – Item 1 requests a spare “set of pump bearings”, which the pump manufacturer would interpret to include both radial and thrust bearings. Item 5 requests a “set of spare thrust bearings”. Please confirm if the intent is for (2) spare thrust bearings or only (1) spare.
Response: The specification requires one set of pump bearings (the manufacturer's standard set of pump bearings including thrust bearings) plus an extra set of thrust bearings (the manufacturer's standard set of thrust bearings).
88. SECTION 11110 HORIZONTAL SPLIT-CASE CENTRIFUGAL PUMPS:1.08.D – The pump manufacturer feels that these specified maintenance tools would be readily available to the contractor/site personnel and that requiring them as part of this bid would place an undue cost on the owner and an undue burden on the pump manufacturer. Please consider eliminating these tools from the requisition.
Response: Provide the required tools.
89. SECTION 11140 VERTICAL TURBINE PUMPS: Old Pearsall Road Pump Station – Please confirm the dimensions for this unit. Review of the plan drawings does not provide full dimensions for the can length, discharge centerline height, distance from suction centerline to discharge centerline, any elevations, preferred mounting flange/base dimensions, etc.
Response: Refer to Sheet C-1110 Pipe A Profile and D-1302 for pump can elevation information.
90. SECTION 11140 VERTICAL TURBINE PUMPS: H2Oaks West Pump Station - Review of the plan drawings suggests that the Suction Barrels/Cans for these units are already installed and this requisition would be for new pumps/motors only. Please verify as the Summary of Work and Pump specification do not make reference of this.
Response: Pump cans for the two proposed H2Oaks vertical turbine pumps are already installed.
91. SECTION 11140 VERTICAL TURBINE PUMPS: 1.04.E.2 – Please note that Vertical Turbine Pumps are supplied with “bushings”. Bearing life calculations will not be applicable to the pumps. Bearing Life calculations would only be supplied for the motors.
Response: Bearing life calculations per the specified standards will be required for the bearings that support the pump shaft. Other bearings such as sleeve bearings or bushings may have life calculations provided based on other standards.
92. SECTION 11140 VERTICAL TURBINE PUMPS: 1.04.E.4 – Do the bearing life calculations require stamping by a PE registered in Texas?
Response: No, bearing life calculations must be certified by the Manufacturer.
93. SECTION 11140 VERTICAL TURBINE PUMPS: 1.07.B.2 - Do the offered pumps require certification by NSF 61? Can NSF 61 certified materials be considered in lieu of the specified coatings?
Response: All wetted parts of the pump must be NSF 61 certified. The coatings specified meet NSF 61, provide coatings as specified.
94. The Valve Schedule on D-1905 shows a 30” PRV (30-OPRV-201) that is exposed on Line C. Shouldn’t the Location be Line B instead? Please Advise.
Response: The 30" PRV (30-OPRV-201) is above grade on Line B, see revisions to Valve Schedule, Sheet D-1905 in Addendum No. 2.
95. Will the Pre-Bid attendees list be made public?
Response: A link is provided on the solicitation website to view non-mandatory pre-proposal meeting and retrieve attendee list.
96. This is Harry Lim working at Ideal Electric in Mansfield, Ohio and we are manufacturing electric AC induction motors and generators. Regarding the captioned project, when I checked the specifications on Large Induction Motors (SECTION 16151) in the attached whole of specifications, we are not in the Acceptable Manufacturers on the motors. In this regard, could you answer me whether or you can accept us as a motor vendor if we quote our motors through pump manufacturers? Page 16151 -7/20.

Response: Motor specification will remain as is.

97. Can you please review Specification Section 15105 – Resilient-Seated Plug Valves: You list Flowserve – Nordstrom Iron Plug Valve or engineer approved equal, Nordstrom has declined to quote the plug valves for this project. They don't supply an AWWA Valve. Nordstrom Valves are metal-to-metal seated and are lubricated.
Response: The Resilient-seated plug valves have been removed from the project, refer to Changes to the plans for drawings C-1109, C-1901, and C-1908 within addendum 2.
98. What are the SC & FC Dates?
Response: The final completion date will be set 660 calendar days from the date indicated in the written Authorization to Proceed as indicated on Page PC-1 the Proposal Certification page.
99. We respectfully request that the Finish Grade Elevation be brought up to the top of the FFE of the PCT tanks.
Response: NO. SAWS would like the tank concrete foundation to be exposed to the air, not covered for ease of maintenance.
100. What is the max fill rate of the tank?
Response: 75 MGD as shown in Detail 1 on Sheet D-1502.
101. What is the max draw down rate of the tank?
Response: 48,600 GPM or around 70 MGD per Pump Station maximum draw down capacity.
102. Is there a Buy American required for the project?
Response: There are no Buy American provisions in the Contract Documents.
103. Is there a AIS required for the project?
Response: This project is not federally funded and thus not subject to the American Iron and Steel requirements applied to federally funded projects.
104. Are there any work hour restrictions for the project?
Response: Refer to the General Conditions Article V paragraph 5.18 and Article VIII paragraph 8.3 for restrictions on workdays and work hours.
105. We respectfully request that Ductile Iron Pipe be an approved equal to the Welded Steel Pipe for the 7.5MG PCT?
Response: No. Please bid using welded steel pipe as the base.
106. Spec 15066 Steel Pipe Fabricated Specials Part 1.04.D.1.a calls for spot radiography of butt joint welds on pipe in accordance with BPVC UW-52. Spec section 15065 Steel Process Piping does not list that requirement. Should we interpret 1.04.D.1.a to only apply to special and fittings and not to pipe?
Response: Section 15066 paragraph 1.04.D.1 applies to specials and fittings under Section 15066 and is not applied to the machine welded pipe fabricated under Section 15065.
107. Spec 15065 Steel Process Piping 2.01.A Table 1 Anderson Pump Station potable water has 150 psig rating while plans shows 200 psig. Which one is correct?
Response: Anderson Pump Station Improvements Pipeline to have a 200 psig rating.
108. Spec 15065 Steel Process Piping 3.02.E Polyethylene Tube Encasement does not mention any physical properties or color. SAWS has used high density cross laminated poly in the past. Could you provide more details for the specified product.
Response: Polyethylene encasement shall comply with AWWA C105 with a minimum 8 mil film thickness.
109. When Scaling the Electrical building dimension utilizing overall site plan E-3101, it shows to be approximately 76'x53', however when scaling with the scale shown on E-3111, the building shows to be 50'x35'. Please review & clarify the correct scale to be utilized.
Response: On E-3111, scale will be corrected to 1/4" = 1'-0" by this addendum.

CHANGES TO THE SPECIFICATIONS

Price Proposal

1. DELETE Pages PP-1 and PP-2, Price Proposal and REPLACE with the attached Price Proposal Pages PP-1 and PP-2.

Evaluation Criteria Form

1. Pages EV-6, EV-8, EV-10, EV-12, and EV-14: In column 1, row 6 of the table DELETE the word “ten” and REPLACE with the word “fifteen”.

Specification Section 01270 - Measurement and Payment

1. Paragraph 1.11.A Item No. 4: DELETE “Old Pearsall Road Pump Station Ground Storage Tank No. 2 Foundation and Membrane Floor” and REPLACE with “Additional Concrete for Foundation and Membrane Floor for Ground Storage Tank No. 2”.
2. Paragraph 1.11.A Item No. 4, line 2: DELETE “Measurement of Item No. 4 will be by cubic yard of concrete” and REPLACE with “Measurement of Item No. 4 will be per cubic yard neat in place volume measurement made based on the actual additional concrete placed if greater than indicated in the drawings”.
3. Paragraph 1.11.A Item No. 5, line 2: DELETE ““Measurement of Item No. 5 will be by cubic yard” and REPLACE with “Measurement of Item No. 5 will be per cubic yard neat volume measurement made based on actual additional excavation quantity removed if greater than indicated in the drawings”.
4. Paragraph 1.12.A Item No. 101, line 2: DELETE ““Measurement of Item 101 will be by EACH as the Work Progresses” and REPLACE with “Measurement of Item No. 101 will be per EACH demobilization and remobilization directed by Owner”.

Specification Section 13207 – Wire Wound, Prestressed Concrete Tank with Steel Diaphragm

1. Paragraph 2.06.G – DELETE the word “PTFE” from the first sentence and REPLACE with “Type 316 Stainless Steel”.

Specification Section 15101 – Butterfly Valves

1. Paragraph 2.1 Rubber-Seated Butterfly Valves: DELETE the first two paragraphs numbered 1. And 2. In their entirety and REPLACE with the following:
 - “A. Manufacturers:
 1. Dezurik
 2. Henry Pratt
 3. Mueller
 4. Valmatic
 5. No substitutions.”

Specification Section 15065 – Steel Process Piping

1. Paragraph 1.01.C.1.: DELETE subparagraph a) in its entirety and REPLACE with “a) All pump suction piping and above grade piping shall be lined with epoxy. All buried piping except Pipe A and other buried pump suction piping shall be lined with Cement Mortar.”
2. Paragraph 2.01.A Table 1.d – Anderson Pump Station potable water; DELETE “150 psig” and REPLACE with “200 psig”

Specification Section 15085 – Water Pipeline Testing

1. Table 15085-A, Anderson Pump Station; DELETE “187.5” and REPLACE with “300”

CHANGES TO THE PLANS

Drawing LI-1904 – Tree Preservation Details II:

1. DELETE Detail 2.2 “Tree Grate Detail”.

Drawing D-1201 – PZ930 Pump Plan and Section:

1. Section A – PZ930 Pump Section: DELETE Detail reference 4/D-1904 labeling equipment list item 15 and REPLACE with a Detail Reference to 4/D-1901.

Drawing D-1302 Booster Pump Pad Sections:

1. Detail A – Section A: DELETE the detail reference for the Pipe Support shown closest to the pump discharge and REPLACE with a Detail Reference to 2/D-1902.

Drawing D-1502 Ground Storage Tank Details I:

1. Detail 1 – Overflow Detail: DELETE the adjustable galvanized pipe support. Design the pipe to be fully supported by the tank wall.

Drawing D-1503 – Ground Storage Tank Details II:

1. Detail 2 – Drainage Structure – Front View: DELETE detail reference for Adjustable Galvanized Pipe Support and REPLACE with detail reference to Detail 2/D-1902.
2. Detail 3 – Drainage Structure - Side View: DELETE the adjustable galvanized pipe support. Design pipe to be fully supported by the tank wall.

Drawing C-2103 – Proposed Site Plan

1. Concrete Channel Call Out – REVISE the call out as follows: “4’ WIDE CONCRETE CHANNEL SEE SHEET C-2102”

Drawing C-2115 – 48” Recharge By-Pass Pipeline Plan and Profile Sta. 1+05.12 to Sta. 4+90

1. DELETE call out at Sta. 2+17.75 for Type I, Pipe Drain Structure and REPLACE with “STA. 2+17.75 TYPE 2 PIPE DRAIN STRUCTURE”.

Drawing D-2201 – Existing Micron Control Valve Assembly Plan & Section

2. Note by Symbol 5 – REVISE note as follows: “PROP. VALVE SUPPORT, TYP., REF: 1/D-2512”

Drawing D-3101 – Proposed Pump Station Mechanical Plan & Section

1. Note by Symbol 1 – REVISE note as follows: “PRESSURE GAUGE, TYP., REF: B/I-3902”
2. Revise call out on VTP-105 as follows: “SEE NOTE 8”

Drawing E-1101 – Overall Electrical Site Plan

1. Add new General Note 1 that reads “PROVIDE LIGHTNING PROTECTION FOR ALL NEW STRUCTURES INCLUDING BUT NOT LIMITED TO THE GROUND STORAGE TANK, SURGE TANK AREA EQUIPMENT, AND NEW BOOSTER PUMP STATION AREA. REFER TO SPECIFICATION 16670 FOR REQUIREMENTS.”

Drawing E-1113 – Electrical Building Power Plan Modification

1. Add General Note 1 that reads “THE FLOOR PENETRATIONS BELOW THE EXISTING MV SWITCHGEAR, PSC-204 AND 480V MCC IN THE ELECTRICAL ROOM TO THE CABLE TRAY VAULT WERE MADE UNDER PHASE 1 BASED ON A CERTAIN MANUFACTURER AT THAT TIME AND MUST BE FIELD VERIFIED AS PART OF THIS CONTRACT BASED ON THE MANUFACTURER SELECTED. CORES MAY BE REQUIRED IF THE OPENINGS DO NOT LINE UP WITH THE MANUFACTURER SELECTED.”

Drawing E-1304 – Booster Pump Section

1. Detail F: In the keynote reference CHANGE “3” to “2”.

Drawing E-1501 – Ground Storage Tank No.2 Electrical Plan and Details

1. Heat trace TB box, shown located at the 48” Discharge (12 o’clock position) shall be moved to the 3/4” sample and level transmitter tap (3 o’clock position).
2. On Detail B, change all conduit to be in the slab rather than exposed.

Drawing I-1101 – Facility Network Diagram

1. Modify all equipment on the 50’ tower to be shown as existing (light/ shaded back).

Drawing E-2101 – Overall Electrical Site Plan

1. Scale shall be corrected to 1" = 20'.

Drawing E-3111 – Electrical Building Modification Plan

1. Scale shall be corrected to 1/4" = 1'-0".

CLARIFICATIONS

1. None

END OF ADDENDUM

This Addendum including these 14 pages, is 16 pages with attachments in its entirety.

Attachments: Updated Price Proposal Forms – 2 pages total.



Don Burger, P.E.
Tetra Tech

PRICE PROPOSAL

PROPOSAL OF _____, a corporation
a partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation for Competitive Sealed Proposals, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the bid proposal to wit:

PLEASE SEE ATTACHED LIST OF BID ITEMS.

RESPONDENT'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE PROPOSAL.

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **660** calendar days after the start date, as set forth in the Authorization to Proceed. **The Respondent understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Proposal which are included on the following pages.

BASE UNIT PRICES FOR:

| Item No. | Description | Unit | Quantity | Unit Price | Total Price |
|-------------------------|---|------|----------|------------|-------------|
| 1 | H2Oaks West Pump Station | LS | 1 | \$ | \$ |
| 2 | Old Pearsall Road Pump Station | LS | 1 | \$ | \$ |
| 3 | Anderson Pump Station | LS | 1 | \$ | \$ |
| 4 | Additional Concrete for Foundation and Membrane Floor for Ground Storage Tank No. 2 | CY | 100 | \$ | \$ |
| 5 | Additional Structural Excavation and Fill | CY | 2000 | \$ | \$ |
| 6 | Segment 2C Pipeline Internal Test Bulkhead Assembly | EA | 1 | \$ | \$ |
| 7 | Segment 2C Water Pipeline Tie-Ins | EA | 1 | \$ | \$ |
| 8 | Trench Excavation Safety Protection | LF | 1,473 | \$ | \$ |
| 9 | SCADA Programming | LS | 1 | \$ | \$ |
| 10 | Reduced Voltage Soft Starter (RVSS) Allowance | ALW | 1 | \$120,000 | \$120,000 |
| 11 | Permitting Allowance | ALW | 1 | \$50,000 | \$50,000 |
| 12 | CPS Energy Coordination Allowance – to be used at the direction of the Owner. | ALW | 1 | \$300,000 | \$300,000 |
| 13 | Start-up / Commissioning Allowance. | ALW | 1 | \$75,000 | \$75,000 |
| SUBTOTAL (ITEMS 1 – 13) | | | | \$ | |

| | | | | | |
|-----|---|----|---|----|--|
| 100 | MOBILIZATION AND DEMOBILIZATION, MAX 7% OF LINE ITEMS 1 – 9 | LS | 1 | \$ | |
| 101 | INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION | EA | 1 | \$ | |

Mobilization shall be limited to the maximum percentage shown. **If the percentage exceeds the allowable maximum stated for mobilization, SAWS reserves the right to cap the amount at the percentages shown and adjust the extension of the line items accordingly.**

| | | | | | |
|--|--|--|--|----|--|
| TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 – 13, 100 AND 101) | | | | \$ | |
|--|--|--|--|----|--|