




NAVAJO TRIBAL UTILITY AUTHORITY
AN ENTERPRISE OF THE NAVAJO NATION

April 12, 2019

TO: All Interested Bidders

FROM: 
Avis Jimm, Contract Administrator

SUBJECT: ADDENDUM #6 NOTICE

Let this memorandum serve as a notice of information regarding the **“Contract No. 2 Water Treatment Plant, Pipelines, and Well Houses (RE-SOLICITATION)”**.

Below are questions additional questions from Firms interested in this Invitation for Bid (IFB) with NTUA responses as follows:

1. Please clarify Bid Item 3-3 Pressure Reducing Vault:
 - a. Sheet C-128 Cornfields PRV Site Plan indicates 2 tie ins to existing 4” line from new 6” line with installation of PRV Vault per NTUA Standard 4” x 2” PRV Detail
 - b. NTUA Concrete Vault Installation Area (4” x 2” PRV) detail shows abandoning existing PRV Vault and installing new PRV Vault with 2” Flush Valves and by-passing existing line.
 - c. Sheet C-128 does not indicate abandoning existing PRV or shows a by-pass as seen on NTUA Concrete Vault Installation Area detail.
 - d. Should price this item based on NTUA Concrete Vault Installation Area detail, including tie ins to existing?

There is not an existing PRV station to be abandoned. NTUA 4”x2” PRV Standard Detail Sheets 1 and 2 should be referenced for PRV details and materials list for constructing PRV vault as shown on Sheet C-128. 4-inch and 2-inch gate valves shown just outside of vault on Sheet C-128 should be inside vault as shown on Sheet 1 of NTUA Standard Detail. Flush valve assemblies are to be included. Vault to be installed is 6’x6’x6’ and not circular. Price should include ties into existing 4-inch water line.

2. Will Flange Isolation kits be required to separate dissimilar metals where buried Ductile Iron transitions to Exposed Steel Piping. Where is this referred to in the Specifications? **Refer to Specification Section 15062 3.01 B and Section 15085 3.05. Section 15085 3.05 is modified as follows – add after first paragraph: “Provide**



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Flange Isolation Kits, including bolt sleeves and washers, between steel and ductile iron pipe connections."

3. Sheets C-104-106: In the Profiles the Reducers are shown as Eccentric Reducers. Eccentric Reducers are only available as Flanged, could these be MJ Concentric Reducers? **The reducers shown on Sheets C-104 and C-106 of the Water Treatment Plant Piping profiles can be MJ concentric reducers.**
4. Plan sheet C-106, STA 1049+30(+/-): Plan view has a "Gate Valve" symbol, but no valve is called out. Will a valve be required at this location? **The gate valve shown on the Plan Sheet C-105 at STA 1049+30 (approx.) of the Cornfields Parallel and Lower Greasewood Interconnection Pipelines drawing sheet is not required.**
5. Revised Detail W-23, the 21"x2" G.I. Pipe has been changed to "DI". 2" Ductile Iron Pipe is not available, please provide another option. **Change the 2-inch drain pipe called out as Ductile Iron (DI) on Detail W-23 to Galvanized Iron (G.I).**
6. Revised Detail W-23, note #2 states that "ALL DI PIPE INSTALLED UNDERGROUND SHALL BE WRAPPED w/ POLYGEN TAPE", Is this correct? **Change underground drain pipe to galvanized iron (GI) pipe. The GI pipe will be wrapped with Polygen Tape.**
7. Bid Form, Sched E "No Well House for 14-inch Well" and Sched F "No Well House for 8-inch well": Are these two Bid Items really Alternates? The Plans only show one No Well Site. Will the Contractor provide only a 14" well or an 8" well? Please clarify. **Schedules E and F for the No Well House are two alternatives. The No Well will be drilled with a diameter of 14-inches. If it is a good producing well it will be reamed out to 19-inches. Contract No. 2 will be amended to delete either Schedules E or F after the well has been drilled, pump tested, and final diameter of the well is selected. Bidders must provide cost for both Schedules E and F.**
8. Bid Form, Alt. No.1, Item 1-2 calls for 2,183 LF of 4-inch PVC Pipeline. This line extends from Sta 3000+00 to 3019+63 for a total of only 1,963 LF, shown on sheets C-124, 125, & 126. Item 1-5 seems to incl 80 LF of 4" DIP and Item 1-6 seems to incl another 110 LF of 4" DIP. In total on sheets C-124-126 there is only 1,773 LF of 4" PVC pipe. Is there another 410 LF of 4" shown elsewhere that belongs in this Bid Item? **Change Bid Form Alternate No. 1 Items 1-2 from 2,183 LF to 1,773 LF of 4-inch PVC pipe.**



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9. The bid Table C Well 1 Item 3, Instrumentation, Controls and SCADA integration. There is a pressure switch and flow meter noted on drawings E-101 and 1E-102. No reference to specifications, sizing or range can be found. Are these existing? **They are not existing - General Note 1/E-101 refers to IHS Technical Provisions drawings and details at the end of the drawing set, refer to index on Drawing G-002. Flow meter is item 8 on IHS detail STANDARD DRAWING W-14. Range is fixed by the manufacturer. Pressure switch is item 11 in BILL OF MATERIAL / CONTROL ROOM on IHS detail PUMP HOUSE LAYOUT SHEET 1 OF 2. Well 1 average pumped flow is 240 gpm, well pump is rated at 500 gpm. Discharge pressure ranges between 70 and 140 psi. Flow meter range 0-500 gpm. Pressure Switch range 0 – 200 psi.**
10. Lower Greasewood Well 2 - The bid table D Well 2 Electrical Item 1, Instrumentation, Controls and SCADA. No instrumentation necessary? **Refer to Specification Section 17000-1.01 B. 2 and Drawing E-201 for items to be included in Schedule D Well 2 Electrical Item 1. Replace telemetry as specified.**
11. Water Treatment Plant - The drawing E-400 shows the fiber optic routing. The Key Note 6 states to see continuation on sheet C-123. There is not a sheet C-123. **This reference is to Sheet C-123 of the Cornfields Parallel and Lower Greasewood Interconnection Pipelines drawing set.**
12. Water Treatment Plant Drawing E-402 states that the fiber optic loop is existing? **Loop is existing but not near the WTP, connection from SCADA network cabinet and fiber optic cable to connect is in Contract. See Sheet C-121 of the Cornfields Parallel and Lower Greasewood Interconnection Pipelines drawing set.**
13. Water Treatment Plant - Drawing E-400 Key note 5 states to remove existing service and utility pole. Drawing E402 Key Note 13 states conductors from pole to meter by power company. No drawing for the new pole location or utility conduit? **Refer to Key Note 2/Drawing E-400. Service specified to be underground from existing utility pole to WTP Service Entrance.**
14. Water Treatment Plant Drawing E-402 shows Raw water FM-7 is to go to SCADA. Is this flowmeter part of the filter package? Is there a flow meter specification for this meter? **Flowmeter is not part of the filter package. Provide Flow Meters FM-6 and FM-7 per Specification Section 11825-2.03 F, line size per piping.**
15. Drawing E-403 shows all the conduits and wire for the filter control panel. Is this provided by the vendor or is this for the electrical contractor to install? **These are on the drawings and not noted as by Others, so are in Contract.**



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16. Lower Greasewood Tank - Drawing E-500 shows Key note 1, to abandon in-place enclosure with obsolete telemetry PLC and Regional SCADA RTU. The detail drawing shows a conduit and Ethernet cable from the Telemetry PLC and the Regional SCADA RTU? **Provide cable and conduit per Detail A/Drawing E-500 to existing RTU. Owner has replaced or might replace the RTU by the time of this Contract work. Regardless, provide circuit specified.**
17. The Bid Items Schedule H does not have a bid item for SCADA? SCADA is included in the lump sum for Schedule H Item 1. **Refer to Specification 17000-1.01 B. 5 and Drawing E-500 for SCADA requirements that are to be include in refurbishing and returning the Lower Greasewood Tank to Service.**
18. Ganado No Well - Drawing E-600 Key Note 4 states to install 650 feet of overhead fiber optics. E-602 Detail B shows existing fiber network? **Addendum No. 1 Item 11 changed the 650 feet to 2,200 feet. Contractor will provide the fiber optic cable. The fiber network on Sheet 602 Detail B is new not existing. NTUA will install fiber optic cable, and overhead power and power pole to the No Well Site.**
19. Ganado No Well Drawing E-601 Key Notes 2 & 11 show a telemetry cabinet and a SCADA Network cabinet. There are no drawings for the SCADA network cabinet? Who is providing? **Refer to Drawing I-002 and Specification Section 17110-2.10 and other paragraphs. SCADA network cabinet is in Contract.**
20. Drawing E-601 Detail A and Key Notes 7, 8, 9, 10 refer to Ganado Tank Telemetry. There is no bid item for this. Is this part of bid item, Schedule E? **Ganado Tank telemetry shown in Detail A and Key Notes 7, 8, 9, and 10 of Sheet E-601 are to be included in Schedule E Item 4.**
21. Drawing E-700 is Detail A from sheet E-601. Where is the tank located? It is not shown on the drawings. **Ganado South Tank is located approximately 6 miles south of Ganado and east of Highway 191. Coordinates: 35°38'0.72 N 109°31'4.00 W.**

As noted in Addendum No. 3 dated March 26th, the due date has been extended yet again; therefore, the below shall be the new bid due date:

- Bid Due Date: **May 2, 2019 @ 3:00 p.m. (local time)**



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In acknowledging this addendum, ensure a signed copy is included within the bid response.
Thank you.

ADDENDUM NOTICE ACKNOWLEDGEMENT:

Company Name/Address

Signature/Title

Date