




NAVAJO TRIBAL UTILITY AUTHORITY  
AN ENTERPRISE OF THE NAVAJO NATION

April 16, 2019

TO: All Interested Bidders

FROM:   
Avis Jimm, Contract Administrator

SUBJECT: **ADDENDUM #7 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. Piping Systems specification section 15050 do not match coinciding specifications. For example, System 9 calls out ball valves for pipe 2” and smaller. But when you review spec section 15103 for butterfly valves all pipe 2” and larger require FLANGED BUTTERFLY valves. The cost difference between a threaded Nibco ball valve and flanged butterfly valve is significant. This will also require flanged adaptors for 2” pipe and nut, bolt, gaskets also be utilized. This applies for 1W, 2W, WW, BW as well. **Section 15103 1.01 A 1 TYPE A: Valves used in Piping Systems 7 and 9 for sizes 3 inches and larger shall be designated Type A. In Section 15103 2.01 A 1: TYPE A, change Size 2 to Size 3.**
2. Same as above applies for Spring Loaded Swing Check valves. 15050 calls out Crane 137 for 2” and smaller, but spec section 15118 calls out APCO for 2”-24” which are significantly more expensive and require much more lead time. **Swing Check valve per Section 15050 (Page 19) 2” and smaller shall be Crane 137, Lunkenheimer, or equal. There are no swing check valves greater than 2 1/2” so Section 15118 does not apply.**
3. All valves appear to be numbered, but I’m unable to find a valve schedule. **There is not a valve schedule. Valve numbering refers to the valve type as shown in the Legends on Sheets P-101 and P-102.**
4. Flow control valves are called out, but there is not a specification for them. Are they provided by the equipment manufacturer? **Flow control valves are specified in Section 11830 2.03 G.**





NAVAJO TRIBAL UTILITY AUTHORITY  
AN ENTERPRISE OF THE NAVAJO NATION

5. Electrically-operated butterfly valves are called out but there is no spec for the motor operator. Are they provided by the equipment manufacturer? **Electric Valve Actuators are specified in Section 11825 2.03 I and 11830 2.03 I.**
6. The plan and profiles are vague and do not clearly call out the extent of the work shown on the P&ID's.
7. Will ductile iron pipe be an acceptable alternative to steel pipe where applicable? BWW, BW, 1W, WW. With testing requirements on welds and job location, having that option will give field crews, inspectors, etc. more flexibility if needed. **Steel pipe shall be used where specified. Ductile Iron pipe is not acceptable alternative to Steel Pipe.**
8. Flexijoint is a brand not a Romac product, Romac has its own flexible coupling called Style 501. Please confirm if 501 was the intent or if you had another product in mind. **Is the 501 our intent? <http://romac.com/flangedcouplings> Where, on which drawing is this specified?**
9. What is the concrete class for the thrust blocks at the wash crossings? **Concrete for thrust blocks shall be as specified in Section 03300.**
10. Are there any road crossings? If so, are road crossing permits needed? **There are road crossings. Road crossing permits have been obtained – See Appendix A of Contract 2 Bid Documents for permits.**
11. Is NTUA going to be the ISP (Internet Service Provider) for both sites? **NTUA will be the Internet Service Provider for the No Well and Water Treatment Plant Sites.**
12. Conduit installation size 2, 3, 4"? Conduit schedule 20, 40, 80? Inner duct size? Quantity of inner duct per conduit installation? **Conduit for Fiber Optic Cable is specified in Drawings – See Sheet C-002 Cornfields Parallel and Lower Greasewood Interconnection Pipelines drawing set.**
13. Fiber maintenance or storage loops? Any particular footage needed? **Refer to Spec. 16124-2.09, Pipeline Key Note 8/Drawing C-121 for WTP fiber, and Well No Key Note 4/Drawing E-600 for poles. Refer to Sec. 16124-3.02 B (slack loop in each pullbox for WTP fiber, pullbox serves as the enclosure). Provide 20' slack loops unless otherwise noted.**
14. 3.04 Cable Specification Sheet-Cable Spec, noted (6-pair fiber) I'm assuming 12ct or 12 strands? **Correct.**
15. Fiber end terminations- Pig tail splice terminations acceptable? If not, please not end termination recommendations. **Refer to Spec. 16124-3.02 C, and 17110-2.10. Coordinate termination type with equipment provided. Terminations for**





NAVAJO TRIBAL UTILITY AUTHORITY  
AN ENTERPRISE OF THE NAVAJO NATION

**WTP Key Note 8/Drawing C-121 by NTUA. Terminations for Well No Key Note 4/Drawing E-600.**

16. Fiber terminations- Do we terminate all 12 fiber strands? If not identify fibers needing terminations. **Refer to Spec. 16124-3.02 C.**
17. Do we splice fibers to the ISP splice case enclosures or leave a storage loop for the ISP in house splicing? (Typically, the ISP completes the splices on their network due to security and confidentiality reasons). **Refer to response to above item "Fiber end terminations".**
18. If the nearest fiber splice points are far in distance, is there any wiggle room for recommendations for designing a splice point closer that would save on cost? (If acceptable) **Yes – this can be discussed after contract award.**
19. Is there any additional fiber patch, Ethernet cables needed from SCADA network to fiber patch panels? **Refer to Spec. 17110-2.10.**
20. Is there any Ethernet cable installation needed for SCADA systems? **Yes, including but not limited to Detail B/Drawing E-402, Detail A/Drawing E-500, and Detail B/Drawing E-602.**
21. Will there be any on site meetings before pre-bid? **There will be a site meeting held during the pre-construction conference after project has been awarded.**
22. The P&ID's show the contractor building a Rotometer Panel but he specifications do not mention them or the solenoid valves. Please provide the necessary specifications so the contractor can provide the correct materials. **See Specification Section 11727 Chlorine Gas Feed System.**
23. Are there earthwork quantities for the site civil work for estimating purposes? These quantities can be helpful in comparison. **Civil site earthwork quantities will not be provided.**

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