

## Addendum No. 2

Issue Date: 1/24/2024

Project Name: **Mills River WTP Miscellaneous Upgrades Phase II**

Project Number: **298-MRWTPRehabPh2**

### TO: Prospective Bidders

This addendum forms a part of the **Bid Document Package** and modifies the original Project Number **298-MRWTPRehabPh2** only to the extent specifically noted below. Failure to acknowledge this addendum in the submittal may subject the submitter to being deemed non-responsive.

This Addendum is posted on the City procurement website at [www.ashevillenc.gov/bids](http://www.ashevillenc.gov/bids). All addenda and attachments shall be published to the same location.

**This Addendum consists of 40 pages in total.**

- Pre-bid Meeting Minutes and Sign-in Sheet are attached.
- To help ensure compliance with the Asheville Business Inclusion (ABI) Office, please review this [video](#) before completing the Business Inclusion Office paperwork. (Full link: <https://youtu.be/L46kHUzokDA>). For this project, the ABI paperwork can be found in Section 00229. ABI documentation is due at the time of submission of your bid. Failure to include the proper ABI forms completed correctly would deem your firm non-responsive. For any questions related to the ABI paperwork please reach out to the ABI Office at [abi@ashevillenc.gov](mailto:abi@ashevillenc.gov).
- The intake pump station was inaccessible during the site visit due to weather. As Built drawing S-4 is attached showing a more complete overview of the intake pumps station, including electrical room on the upper level.
- Section 00230A Federal Contract Provisions as listed on the Specifications Table of Contents was left of out the set that was issued. This specification is provided with this addendum.
- Section 00230B Davis-Bacon Specifications as listed on the Specifications Table of Contents was left of out the set that was issued. This specification is provided with this addendum.

### **Response to Questions and Clarifications:**

Note: All questions proposed below are as they were submitted by prospective bidders and have not been altered or re-worded.

1. Is this a prevailing wage job? I the TOC lists a Davis-Bacon section under Division 00 but there doesn't appear to be a section 00230A in the documents.

**Response: Yes. See attached Section 00230B Davis-Bacon Specifications and 00230A Federal Contract Provisions.**

2. Would like clarification on whether they want double-sided textured HDPE, or single-sided. Otherwise we will assume double-sided.

**Response: Double sided textured.**

3. Is there any geotextile above or below the liners? There is a spec section 310519.13 for Geotextiles where they call out 6oz non-woven, but nothing indicated on the drawings as it relates to the liners. Just want to be sure

**Response: No geotextile. Sand above and below liner.**

4. No liner attachment detail is provided for the undrain pressure relief valves (detail H on CD-1).  
a. Additionally, no indication on how many of these and where they are located. There is only a note on detail H (CD-1) stating 50' o/c

**Response: There are no PRVs. The underdrain system has perforated pipes under the liner that connect to a solid pipe that discharges through the embankment.**

5. Are there any additional details available on the clearwell baffle curtains? Only dwg M-19 shows them, and there is not much there. Need dimensions and connection details.

**Response: See attached.**

6. Per 40 7213 paragraph 2.1A #4, may you please confirm that Class I Div I is required for ultrasonic transducers for this application or will general purpose be adequate? Typically we provide general purpose for water.

**Response: General purpose will be adequate.**

7. Per 40 71 69 paragraph 2.2E, the ultrasonic flow meter specified is for 24 VDC power. This is confirmed in I-7. Is this correct or will the more common 120VAC unit be adequate?

**Response: Provide 24 VDC model as specified. Existing RTU-100B supplies 24 VDC power to the two existing flow meters and the intent is to match this power scheme for the new instrument.**

8. Per I-11, Detail E and F show blind tap ultrasonic installations. Is this what is required for TK-5500 and TK-2035 or will the 6" flange be required per 40 72 13 paragraph 2.1A #4d?

**Response: Specification reference allows either installation (flange-mounted or NPT suspended from blind flange), chemical tanks (e.g., TK-5500) should be flange-mounted to match existing installations.**

9. For PLC modifications for PLC-1, PLC-2, and PLC-3 and per 40 63 43 paragraph 2.1 B, may the engineer please specify the amount of spares available for the modules listed under each PLC? Is there a wiring diagram available for PLC-1, PLC-2, and PLC-3 to show the available spares?

**Response: The following information is offered using PLC wiring diagrams from 1998. The following information is provided without warranty and it should be noted these drawings could potentially be inaccurate with regard to today's I/O capacities. Wiring diagrams will be currently withheld at this time for security reasons but will be provided upon request after contract award.**

- PLC-1 spares: 6 AI, 6 DI, 12 DO
- PLC-2 spares: 10 AI, 4 AO, 15 DI, 3 DO
- PLC-3A spares: 14 AI, 25 AO, 16 DI, 14 DO
- PLC-3B spares: 33 DI, 13 DO

10. Per 40 63 43 paragraph 2.2A, do the 20% spare requirements apply to the retrofit PLC-1, 2, and 3? For 40 63 43 paragraph 2.2B, will we be required to maintain no less than 2 spare slots for the retrofits for PLC-1, 2, and 3? For example, no additional I/O modules can be supplied for PLC-2 has only 2 spare slots available.

**Response: Both requirements shall apply to all retrofits for PLC-1, 2, and 3 unless there is insufficient subpanel space to meet those requirements. New I/O modules shall be supplied as required to accommodate the work to be performed in this Contract and the spare requirements will be considered on a case-by-case basis during contractor submittal review. The addition of new PLC chassis in existing PLC-1, -2 and -3 enclosures should be avoided where practical.**

11. From I-3, Filter console FCC-2 will have an M580 processor. Is the intent of the scope of this project to have remote I/O drops from FCC-2 to FCC-1 and FCC-3? Or is the intent to change FCC-1, 2, and 3 to M580 stand-alone processors? Will the Engineer require an NOE module for the new filter M580 PLC-4 to communicate back to the UPS Room switch? Also, since the existing filters are a processor and remote I/O racks, how will the demo and install of the filters take place without bringing down the plant's entire filter system?

**Response: The intent is to have remote I/O from FCC-2 to FCC-1 and FCC-3. Provide an NOE module for the new filter M580 PLC-4. Maintenance of plant operations (MOPO) will be addressed during contractor submittal review, refer to paragraph 1.5.E in Specification Section 406100 for MOPO submittal requirements.**

12. Due to inclement weather, we were not able to visit the Raw Water Pumping Station, RCP-2 and RTU-100B. May the Engineer please provide pictures of these enclosures to get a better understanding of the retrofit involved for this project?

**Response: Photos attached.**

13. The Generator Fuel Control Panel could not be opened during the site visit, but it appears that this panel is too small for a new UPS to fit inside. This control panel was immediately adjacent to the generator. Is this the correct control panel or is there another one on the property? May the engineer please confirm that UPS-GF will fit inside the control panel given the UPS specifications? If the UPS doesn't fit, will it be a requirement to provide an external enclosure for this UPS? If so, please provide more detail for this section of the specification.

**Response: The intent is to provide a small line interactive UPS in the bottom of the enclosure to supply power to the panel controls; the UPS does not have to be a large "online" double-conversion UPS.**

I understand that failure to confirm the receipt of addenda may be cause for rejection of this Bid/proposal.

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Authorized Signature

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Company

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Date

- End -