ADDENDUM NUMBER 2

LAKE HARTWELL WTP RAW WATER PUMP STATION IMPROVEMENTS

FOR

ANDERSON REGIONAL JOINT WATER SYSTEM

GMC PROJECT NO. CGRE250033

1. **Revisions to the Project Manual**

1.1. The following revisions are hereby added as Addendum No. 2 to the referenced Project Manual and shall be considered when preparing bids. All documents listed below are included with this Addendum.

- Revise Specification 43 23 13 – VERTICAL TURBINE PUMPS

2. **Questions**

2.1. Can you provide drawings for the pump stations, specifically the section view?

2.1.1. See attached record drawings.

2.2. Under section 43 23 13 2.1 I.9 The specification states vibration protection shall be provided for the motor. Can you ask what type of vibration sensor/switch they are wanting? And how many?

2.2.1. Yes, see attached updated specification.

2.3. Per below, can we please request a revision to specified line shaft minimums of 1.94" and 2.69" respectively in lieu of 2.5" and 2.75" in the table ?

2.3.1. Yes, see attached updated specification.

2.4. The 11,500 GPM pump (Ferguson) have a bowl diameter of 36" but would require a 47" end bell which may exceed the hole diameter.

2.4.1. This pump will not be considered as meeting the specifications. Pumps that require major modification to the existing pump station will not be accepted.

2.5. What is the distance from the discharge flange to connecting discharge pipe?

2.5.1. See attached record drawings.

2.6. Per spec section 2.1.F.1, bell suction bearing will be Bismuth Bronze to meet our NSF 61 listing and Strainer material will be 316 Stainless Steel.

2.6.1. GMC accepts these materials proposed.

2.7. Per spec section 2.1.F.2, Bowl interior will be coated with TNEMEC N140 to meet our NSF61 listing.

2.7.1. GMC accepts the material proposed.

2.8. Per spec section 2.1.I.9, please provide type of vibration sensor/switch is required.

2.8.1. See updated specification with additional statement "Vibration switches recommended are Robertshaw 366 or Approved Equal."

2.9. Per spec section 2.1.J.2, Anchor bolts will be sized by the pump manufacturer. Anchor bolts will be supplied by the contractor.

2.9.1. GMC is in agreement and will include anchor bolt supply in bid package for contractor.

2.10. Performance test will be bowl test. We cannot test with below grade discharge.

2.10.1. GMC is in acceptance of this.

2.11. Coating of wetted surfaces will be TNEMEC N140 to meet our NSF61 listing.

2.11.1. GMC is in acceptance of this.

2.12. Per 26 05 93 Common Motor Requirements Spec 2.1.C.8- regarding the motor bearings: Nidec does not publish a time factor that we can use for the L-10 life calculations for 200,000. Please delete this – we typically see this is from a general horizontal motor spec.

2.12.1. Specification will not be updated based on this request. Please provide expected bearing lifespan.

2.13. Per 26 05 93 Common Motor Requirements Spec 2.2.J- calls for bearings to be greased. This is typical for a horizontal motor but typical vertical motors like the ones required hear are oil lubricated – please revise to allow oil lubrication.

2.13.1. Oil lubrication is acceptable.

2.14. Per 43 23 13 Vertical Turbine Pump Spec 2.1.J.2- Sole plate standard dimensions are 42" x 42". Stated dimensions will need to be verified by the factory and based on the size of the discharge head. Anchor bolts and calculations will be provided by others.

2.14.1. GMC is in acceptance of this and will ensure contractor is aware of selected manufacturer sole plate dimensions if grouting is to occur to meet 40" x40" install requirements. Anchor bolts to be provided by contractor.

2.15. Per 43 23 13 Vertical Turbine Pump Spec 2.1.J.4- coating – clarification: We would like to provide Tnemec 21, 16 mils on the non-wetted components.

2.15.1. GMC is in acceptance of this.

3. Acknowledgement

3.1 Receipt of Addendum No. 2 shall be acknowledged in the following way.

3.1.1 Note on Bid Form of the Project Manual – Bidder acknowledges receipt of "Addendum No. 2" and date of "June 11th, 2025".

4. Attachments

4.1 Record Drawings

4.2 Updated Specification for 43 23 13 – VERTICAL TURBINE PUMPS

5. Conclusion

5.1 This is the end of Addendum Number 2, dated Wednesday, June 11th, 2025.

Amy S. Hopkins

Amy Hopkins, PE