ADDENDUM NO. 1

DATE: July 21, 2025

PROJECT NO: RFB 2025-007

PROJECT: Howey-in-the-Hills Water Treatment Plant No. 3

ALL PROSPECTIVE BIDDERS ARE HEREBY NOTIFIED OF THE CHANGES OR ALTERATIONS IN THE ABOVE-REFERENCED PROJECT

General Information:

- It was brought to our attention that a Wallace &Tiernan system is called out in the plans for the new treatment plant. Currently the Town uses a Hydro system which is maintained using Guardian equipment. The Town would prefer to stay using a Hydro system and not have 2 different systems to maintain.

- Site/Mechanical Changes to the Contract Drawings
  - Sheet M-05
  - Sheet M-06

- Electrical Changes to the Contract Drawings
  - Delete the following drawings:
    E-01, E-02, E-03, E-05, E-06, E-07, E-08, E-10, E-11, E-12, E-13, E-14, E-15, E-16, E-17, E-18, E-19, E-21, I-02 & I-03

  - Insert the following revised drawings in their place:
    E-01, E-02, E-03, E-05, E-06, E-07, E-08, E-10, E-11, E-12, E-13, E-14, E-15, E-16, E-17, E-18, E-19, E-21, I-02 & I-03

- Architectural Changes to the Contract Drawings
  - DRAWING A1.1 PROJECT DATA:
    Updated Sheet index to reflect revised sheets.
  - DRAWING A6.1 INTERIOR ELEVATIONS:
    Updated detail 1/A6.1 to include dimensions and finish material.
  - DRAWING AS1.1 SPECIFICATIONS:
    Added new sheet
  - DRAWING AS1.2 SPECIFICATIONS:
    Added new sheet

- DRAWING AS1.3 SPECIFICATIONS:
  Added new sheet
- DRAWING AS1.4 SPECIFICATIONS:
  Added new sheet

- Structural Changes to the Contract Drawings
  - DRAWING S3.1 FOUNDATION PLAN:
    Relocated door opening from the Clorine Room to the Storage Room
  - DRAWING S3.2 ROOF FRAMING PLAN:
    Relocated lintel from the Clorine Room to the Storage Room.

Questions from Bidders:

1. Bid Item number 7 seems incomplete, can you clarify?
   Response: See attached revised Bid Form.

2. We respectfully request that Unitron Controls® (a division of Barney's Pumps, Inc) be considered an Approved Equal for the System Supplier role, as specified in Section 13300.
   Response: Not Approved. TLS Automation Sole Source.

3. In Table 11215, please confirm that the minimum shutoff head shall be at least 200 ft of head (~15% over the top of the highest specified performance condition). Current specified shutoff head is 64 ft
   Response: Confirmed. The minimum shutoff head shall be at least 200 ft of head.

4. In Table 11215 (and plan sheet M-01 & M-02), well casing is specified as being 12". Please confirm the ID is at least 12" or larger. The pump sizes needed to meet the specified flow rates have OD's that are around 11.50". This means that there could be only 0.25" gap (or smaller) around the perimeter of the pump, making setting & removal of the pump challenging. If the ID of the casing is at any location less than 12.0", please consider revising the pump requirements to allow smaller equipment.
   Response: Confirmed. The casing pipe is 12" I.D. black steel. Smaller equipment which meets the design point, HP and other specifications found in the bid documents shall be acceptable.

5. In section 11215, to allow for future electrical upgrades, we recommend requiring that the complete pump assembly and motor be Variable Speed rated (including fabricated discharge heads). This will increase the equipment robustness even when operated at Constant speed, and will allow the City the option of adding VFDs to the wells for better flow control in the future.
   Response: Solid State Starters are required for the well pumps as shown on the Contract Drawings

6. In section 11216, please confirm that all four pump cans shall be the same size and shall allow all pumps to be interchangeable between the cans. This will ensure that the City can replace the Jockey Pump with another High Service Pump in the future without needing to up-size the cans.
   Response: Confirmed. All four pump cans shall be the same size.

7. In section 11216, to minimize the chances of undesirable vibrations during variable speed operation, and to facilitate all suction cans being made to the same size, we recommend requiring that all pump heads be Fabricated. Such heads can be optimized for variable speed operation, and also allow the Jockey to be built with an oversized baseplate to mate with the larger Can size for the HSPs.
   Response: Pump heads may be fabricated per pump manufacturer recommendations.

8. In section 11216, the need for an 8" x 10" reducer can be eliminated by specifying 10" pump discharges (which has little to no cost impact on the pumps and reduces friction). Please confirm if this is desirable.
   Response: Bid per current layout.

9. In section 11216, we request that the minimum Pump Efficiency at the Primary design point be changed to 75%, with a pump BEP still at 80%. This will allow a bowl selection that places the high flow condition to the Right of BEP, thus allowing the pump to be operated at higher efficiencies throughout its operating cycle. This request applies to both the High Service and Jockey Pumps
   Response: The minimum Pump Efficiency at the Primary design point is changed to 75%, with a pump BEP still at 80%.

10. Can you provide details of the existing well that need to be abandoned, such as diameter and depth?
    Response: Existing well details (Well No. 3) are shown in the FDEP Sanitary Survey Report for WTP No. 2 which is attached.

11. We have landscaping plans in the bid plans, is there irrigation plans?
    Response: Due to Town ordinance, there will be no irrigation system for this site. The Contractor will be responsible for providing irrigation water for 30 days to establish planted landscape grow-in.

12. Section 11210, "Water Pumps"

    - Does this project have funding that requires the equipment to be BABA compliant?
      Response: No. This project is not required to be BABA compliant.

- Please confirm that the specified well pumps and high service pumps are to be NSF61 certified.
  Response: Confirmed. All well pumps and high service pumps are to be NSF61 certified.

- Please confirm that the specified performance tests for the well pumps and high service pumps are to be in accordance with HI Grade 1U tolerances.
  Response: Confirmed. Performance tests for the well pumps and high service pumps are to be in accordance with HI Grade 1U tolerances.

- Please clarify the requirements for the factory performance testing for the well pumps and the high service pumps. Section 11210, 1.03.C.2, says the "tests shall be witnessed and certified by a registered PE". Section 11215, 3.02.B, says the "tests shall be witnessed by a registered engineer" but then adds additional information which indicates this engineer would be a HALFF representative including travel, meals, etc. to the pump manufacturing facility. Section 11216, 3.02.A, specifies a "non-witnessed laboratory performance test". Witness testing adds cost & lead time. I would suggest non-witnessed factory performance tests on each unit, HI Grade 1U tolerance, certified by a PE or factory test lab manager.
  Response: Factory performance testing for the well pumps and the high service pumps shall be accordance with Section 11216, 3.02.A, specifies a "non-witnessed laboratory performance test".

13. Section 11215, "Vertical Turbine Water Pumps"

- Paragraph 1.01.B makes reference to "variable speed well pumps". Please confirm the well pumps are constant speed as indicated by the electrical drawings and not variable speed.
  Response: Confirmed. The well pumps are constant speed as indicated by the electrical drawings.

- Please clarify the note in paragraph 2.02.B which says "Existing motor shall be reinstalled for continued use".
  Response: No existing motors shall be reinstalled. All pumps and motors shall be new.

- Are any factory certified hydrostatic tests desired for the well pump bowls, columns, or heads?
  Response: No factory certified hydrostatic tests are required.

- Regarding the testing in 3.02.C:

- Vibration testing in the factory is not feasible as the pumps are not fully assembled or securely anchored, as they will be in the field. Can vibration testing be performed as part of the field services / startup?
  Response: Yes. Vibration testing be performed as part of the field services / startup.

- Noise level testing in the factory is not feasible due to external influences. In addition, typically a factory test motor is used for testing and not the actual job motor. Can noise testing be performed as part of the field services / startup?
  Response: Yes. Noise testing can be performed as part of the field services / startup.

- Is certified historical NPSHR data acceptable in lieu of actual NPSHR testing?
  Response: Yes. Certified historical NPSHR data is acceptable.

14. Section 11216, "Vertical Turbine High Service and Jockey Pumps"

- Is packing or a mechanical seal to be used for shaft sealing?
  Response: Packing or mechanical seal for shaft sealing will be per pump manufacture recommendations.

- Please confirm the requirement for hardened sleeves on the line shaft as indicated at the top of 11213-4. This is not typical for municipal water service. Please note that line shaft bearings are neoprene per 2.12.A.
  Response: Confirmed. the requirement for hardened sleeves on the line shaft. Line shaft bearings shall be zincless bronze bearings as indicated in Paragraph 2.07.B.

- Paragraph 2.10.A - Please consider allowing integral impeller wear rings as an acceptable alternative.
  Response: Impellers need to be equipped with replaceable wear rings per Specification.

- Paragraph 2.12.A – Our standard for bowl bearings is a combination of bronze & rubber. Is this acceptable?
  Response: No. Bowl bearings need to be stainless steel per Specification.

- Please confirm a factory FEA is required for the high service pumps as indicated by 1.03.A.1.i in section 11210.

Response: Confirmed. Factory FEA is required for the high service pumps as indicated by 1.03.A.1.i in section 11210.

- Please confirm the coatings that are required for the high service pumps. 3.03.A calls for fusion bonded epoxy but then 3.03.B, 3.03.C, and 3.03.D have different requirements. In addition, the references to system 7 and system 10 do not appear to be correct. I would suggest that the exterior of the bowls, interior & exterior of the column, and interior of the head be coated with an NSF epoxy such as Tnemec 21 or equal. The interior of the bowl will have a vitreous enamel or fusion bonded epoxy coating. Standard factory finish on the discharge head exterior is typically acceptable as the installing contractor will typically field prime & paint to match the existing piping.
  Response: All coatings that come into contact with pumped water shall be suitable for potable water service as approved by the National Sanitation Foundation (NSF) Standard 61.

14. Can General Control Systems be added as an approved System Supplier? We meet the requirements listed in 13300 1.07. Please see attached documentation.
    Response: Not Approved. TLS Automation Sole Source.

15. Can General Control Systems be added as an approved Control Systems Engineer (CSE)? We meet the requirements listed in 13300 1.01-E. Please see attached documentation.
    Response: Provide supplemental information to allow review.

16. The bid sheet and PCT spec 13205.2.02.A.9 call out a 3,000 GPM aerator and drawing sheet M-07 calls out a 3800 GPM aerator. Please provide clarification.
    Response: The aerator shall be 3,800 gpm per Sheet M-07.

17. Specifications section 13205.2.02.B.3.a & 13205.2.02.B.4.a Require a SAF-T-Climb ladder system, please confirm a TS rail system is acceptable.
    Response: Confirmed. A TS rail system is acceptable.

18. Specifications section 13205.2.03.C requires aerator tray materials to conform to NSF 61 standards. NSF approved gel coat materials are not readily available, therefore we recommend trays be constructed using NSF 61 approved resin and remain uncoated with no gelcoat. This approach is industry standard for fiberglass products such as fiberglass baffles.
    Response: Aerator trays be constructed using NSF 61 approved resin and remain uncoated with no gel coat.

19. Specification section 13205.3.01.B.4 refers to the floor being sloped to drain. Confirm slope reference refers to dish sump at drain only and that the floor is flat as shown on the drawings.
    Response: Confirmed. The slope reference refers to dish sump at drain only and that the floor is flat as shown on the drawings.

20. Specification section 13205.3.03.B indicates “filling of voids” shall be in accordance with manufacturers recommendations. It has been our experience the underside of the dome, being cast concrete against a formed surface, once the surface has been properly prepared would leave sufficient holes/voids that a full 1/8” thick resurfacer coat will provide a more durable coating system in lieu of addressing holes individually. Please confirm if a full coat of resurfacer is required on the underside of the concrete dome.
    Response: Confirmed. A full coat of resurfacer is required on the underside of the concrete dome.

21. Specification section 03300.2.01.B.1 states the cement classes that shall be used are Type II or Type III. Please also include ASTM C595 Type IL into the classes of cement.
    Response: ASTM C595 Type IL shall be included in the cement classes in addition to Type II and Type III.

22. In RFB 2025-007 WTP No 3 - Bid Specifications Section 13205 Prestressed Circular Concrete Tank 2.04 Painting and 3.03 Painting, the specified Tnemec Series N140 does not meet NSF 600 standard for contact with potable water. Will Tnemec Series L140 Pota-Pox Plus be considered an approved equal for the specified interior surfaces of the new PCT tank?
    Response: Confirmed. Tnemec Series L140 Pota-Pox Plus is considered an approved equal for the specified interior surfaces of the new PCT tank.

23. Geotechnical report from March 2025, ground storage tank #3 foundation section, has calculated settlement values off an assumed bearing pressure of 1,400 psf. The tank size with a 60’-0” ID and 28’-6” SWD requires a minimum bearing pressure of 1,900 psf. Please provide differential and total settlement values based off a 1,900 psf bearing pressure.
    Response: The Geotechnical Investigation has been revised to show a 1,900 psf bearing pressure. The addendum report is attached.

24. Drawing sheet M-04: The SWD is currently shown as 28’-5”. Please confirm the top of wall elevation would be 167.92 and the high-water elevation would be 167.75 at the top of the CMU block wall.
    Response: Confirmed. The top of wall elevation would be 167.92 and the high-water elevation would be 167.75 at the top of the CMU block wall.

25. Drawing sheet M-05 requires fiberglass screens for the precast concrete overflow's while PCT spec 2.02.B.6.a. requires stainless steel. Please provide clarification.
    Response: Precast concrete overflow screens shall be stainless steel per Specification 2.02.B.6.a. Please refer to the revised construction plans.

26. Drawing sheet M-05 calls out an aluminum interior ladder. Please confirm a fiberglass ladder is required as stated on PCT specification section 13205.2.02.A.3. An aluminum interior ladder is not recommended.
    Response: Confirmed. Interior ladder shall be fiberglass per Specification section 13205.2.02.A.3. Please refer to the revised construction plans.

27. Drawing sheet M-05 shows the interior and exterior ladders as 17' tall. Confirm the ladders are to be designed to accommodate a 28'-5" side water depth.
    Response: Confirmed. Interior and exterior ladders are to be designed to accommodate a 28'-5" side water depth.

28. Drawing sheet M-06: Shows "link seals". Please modify this detail to read "Through-wall pipe shall be Type 316 stainless steel. Waterstop rings on wall-pipes shall be Type 316 stainless steel."
    Response: Detail indicating "link seals" has been removed from the revised construction plans.

29. The tank construction company shall self-perform the interior and exterior coatings of the tank (concrete surfaces and ferrous metals). The tank construction company shall be QP-8 certified and have system responsibility for all coatings under the same warranty as the tank. If the tank construction company is not QP-8 certified, then a Senior Certified Coatings Inspector (CIP Level 3) shall be hired at the expense of the tank construction company and present full-time during the application of all coating systems.
    Response: Noted. The tank construction company shall self-perform the interior and exterior coatings of the tank (concrete surfaces and ferrous metals). The tank construction company shall be QP-8 certified and have system responsibility for all coatings under the same warranty as the tank. If the tank construction company is not QP-8 certified, then a Senior Certified Coatings Inspector (CIP Level 3) shall be hired at the expense of the tank construction company and present full-time during the application of all coating systems.

30. Please confirm if this project is NOT subject to, AIS/ Buy American provisions, M/WBE requirements, and certified payroll.
    Response: Confirmed. This project is NOT subject to, AIS/ Buy American provisions, M/WBE requirements, and certified payroll.

31. Please confirm the all of the pump disconnects are 316SS, indoor and outdoor. The specs say 316SS unless otherwise noted on plans. The plans don't call out a material.
    Response: All pump disconnects are to be NEMA 4X 316 stainless steel.

32. Would the Town consider any of the following?
    - Move the bid to 2PM due time to allow time for pricing to come in, as well as travel time, after the weekend on Monday morning.
      Response: The Town is set on their current submittal schedule and are not willing to change times or dates.

    - Move the bid to from Monday to any other day Tuesday thru Friday to allow 1 full consecutive workday before the bid to finalize pricing, contact vendors, finalize for a morning delivery of bid in the case of contractors who have a long drive.
      Response: The Town is set on their current submittal schedule and are not willing to change times or dates.

33. Please provide me with the column length starting under the discharge head to the top of the bowl assembly for the 3 HSP's and jockey pump.
    Response: The column length shall be a minimum of 10 feet in length.

34. Also the overall depth of the wet well and please specify if there's a concrete pedestal on the slab.
    Response: The high service pumps and jockey pumps are canned. There is not wet well. There will be a concrete pedestal on the slab.

35. Southern Flow would like to be added to the list of approved Systems Integrators in Section 13300. Attached is our qualification package for your review.
    Response: Not Approved. TLS Automation Sole Source.

36. Lab storage room – I did not locate a Div 6 or Div 12 spec, is there one? Nothing is noted in terms of materials either on the elevations of this room (cabinets or counter tops). Is this an Owner furnished or contractor furnished item? Lockers in restrooms /ADA restroom bench – I did not locate a spec, are there any specific requirements for these items? Is this an Owner furnished or contractor furnished item?
    Response: Please refer to the amended architectural sheets attached with revised construction plans.
    - *Division 6 has been added to the set in addendum #1 above. Please see revised detail 1/A6.1 for added notes to the millwork details. All items are to be contractor furnished unless instructed otherwise.*

- *There are no specific requirements for the lockers. Please ensure that any locker specified will not impede the required clear floor area in the room that said unit is located. A specification has not been provided for the ADA restroom bench. Please coordinate bench selection with the provided ADA bench dimension parameters provided in detail 4/A6.1. All items are to be contractor furnished unless instructed otherwise.*

37. Consider naming **EDGENG** as an approved Manufacturer in the specification OR approve us Equal Status on this Project per the specification sections of **Section 13205- FRP ladder.**
    Response: FRP ladder shall be provided by the prestressed concrete tank manufacturer.

Attachments:

1. Revised Construction Plans for Town of Howey-in-the-Hills Water Treatment Plant No. 3
2. Revised Bid Form 00300-4
3. Addendum Report – Geotechnical Investigation for Howey-in-the-Hills Water Treatment Plant No. 3

ALL BIDDERS ARE REQUESTED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING BELOW AND SUBMITTING THE BID.

ACKNOWLEDGE RECEIPT- ADDENDUM NO. 1

NAME OF BIDDER _____

SIGNATURE _____

TITLE _____ DATE _____