

July 15, 2024

Mr. Harrison Youngblood, P.E.
Indian River County Department of Utilities Services
1801 27th Street Bldg. A
Vero Beach, FL 32960

RE: Final Draft – Lift Station Drawings and Specification Section 10
IRCDUS Standard Construction Details & Specification Update
IRCDUS PID #21.23.503
CCNA 2018 WO #08 addendum 1

Dear Harrison,

Enclosed with this email are the final drafts of the Lift Station details and Specification Section 10. The drawings and specification reflect the discussions during our meeting on June 25, 2024. The revisions are summarized as follows:

Revisions to drawings:

- Dwg L-2: Revise Transducer & Pressure Gauge range to 0 – 100psi
- Dwg L-2: Revise Transducer pipe & box to SS or aluminum.
- Dwg L-2A: ARV – Stainless fittings not brass.
- Dwg L-2B: added note calling for above ground assy to be painted. Ref. Section 12 Aerial Crossings
- Dwg L-5: Panel Post distance not more than 4': Addressed by latest dwgs
- Dwg L-5B: Added ammeter for each pump.
- L-6A: Single Phase station shall have VFD's: This will be addressed by revising note 25 on Dwg L-6A to require any Single-Phase station to be approved by IRCDUS.

Section 10 – Submersible Wastewater Pumping Station

- RTU changed to TCU, throughout.
- Spare Parts: Spec Section 10 will be revised to
 - Revise TCU001 to TCU800
 - Add Spare Fuses
 - Add Alternating Relay
 - Delete Impeller Puller
- Generator interlock breaker added to Section 10.10 C(2)(d).
- Surge Protection required on utility side of all lift stations in Section 10.10 C(2)(e).

Discussed but no changes to drawings or specifications made:

- Fall protection – decided not to include in this revision
- Add forcemain and water transducers: Force main pressure transducers are currently illustrated; water transducers would be added by IRCDUS as needed.



Feel free to contact me if you have any questions.

Sincerely,

Bowman Consulting Group, Ltd.

A handwritten signature in blue ink, reading "John M. Boyer".

John M. Boyer, P.E.
Senior Project Manager

CC: Zach Komninos

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